Sanitation Systems	SeaLand Sanitation Systems	
	ITT Toilets	**621 - 625**
	Groco Toilet Parts	**626**
	Holding Tanks & Accessories	**627 - 629**
	Macerator Pumps	**629**
	Tank Monitors	**630 - 631**
	Sanitation / Treatments / Maintenance	**631 - 632**
Shower, Galley Sinks & Faucets	Sinks & Fittings	**633 - 634**
	Faucets	**634 - 635**
	Showers	**636 - 637**
	Water Purification	**637**
Pumps & Parts	ITT Jabsco Water Pumps	**638 - 641**
	Shurflo Water System Pumps	**642**
	Flojet Water System Pumps	**643 - 644**
	Headhunter Water Systems	**645**
	Groco Water Systems	**645**
	Accumulator Tanks	**646**
	Attwood Bilge Pumps	**646 - 647**
	Rule Bilge Pumps	**647 - 649**
	ITT Bilge Pumps	**651 - 652**
	Bilge Switches	**653 - 654**
	Washdown & Livewell Pumps	**655 - 656**
	Pump Adapters / Filters	**647 - 658**
	Groco Rotary Vane Pumps	**659**
	Flexible Impeller Pumps	**660 - 661**
	Centrifugal Pumps	**662**
	Engine Water Pumps	**663 - 664**
	ITT/Jabsco Impellers	**665 - 668**
	Hand Pumps	**669 - 671**
	Oil Pumps	**672 - 673**
	Fuel Pumps	**674**

VacuFlush 5000 Series - Full Size Comfort

Large household size bowl with shallow front-to-back footprint delivers installation ease and user comfort for all boat sizes.

- 1 pint per flush
- Foot-pedal flush
- Standard, medium and low-profile heights
- Above & below floor discharge options

The outlet direction is taken when facing the toilet

5006 Models

- Low Profile design
- Discharge through floor, hose or pipe
- **Seat height: 12-3/8" x W: 17-1/4" x D: 18-3/8'**

5147, 5148

VAC 500601 White
VAC 500603* Bone

5009, 5047, 5048 Models

- **Standard height**
- Discharge through floor, hose or pipe
- **Seat height: 16-1/2" x W: 14-7/8" x D: 18-3/8"**

VAC 500901 White
VAC 500903 Bone

5047 Models

- **Standard height**
- Discharge above the floor at right of base
- **Seat height: 16-1/2" x W: 14-7/8" x D: 18-3/8"**

VAC 504701 White
VAC 504703 Bone

5048 Model

- **Standard height**
- Discharge above the floor at rear of base
- **Seat height: 16-1/2" x W: 14-7/8" x D: 18-3/8"**

VAC 504801 White

5147 Models

- **Medium height**
- Discharge above the floor at right of base
- **Seat height: 15" x W: 14-7/8" x D: 18-3/8"**

VAC 514701 White
VAC 514703 Bone

5148 Model

- **Medium height**
- Discharge above the floor at rear of base
- **Seat height: 15" x W: 14-7/8" x D: 18-3/8"**

VAC 514801 White

* Request Item

VacuFlush is only sold by Factory Authorized Installing Dealers.

VacuFlush 4800 Designer Series

Luxurious comfort in a compact fixture - featuring electronic **remote switching, elongated seat and "plug-in base".**

- **All-ceramic construction**
- Automatic flushing cycle
- Very low water consumption (1.5 pints/.7 litre per flush)
- **Optional wall mounted push-button operation**
- **Full-size seat with elongated opening**
- New flush mechanism reduces noise
- Through or above the floor discharge

148481 / 148091

VAC 148481 Model 4848, White, standard height, above or through the floor discharge, D: 18-5/8" x W: 14-3/4"
VAC 148061* Model 4806, White, low profile, through the floor discharge, D: x 16-1/4" x W: 14-3/4"
VAC 148091* Model 4809, White, standard height, through the floor discharge, D: 18-5/8" x 14-3/4"

Options:

VAC 404012 "Flush Add Water" Switch, Black

* Request Items

VacuFlush 4700 Designer Series

Same features as the 4800 Series above with deluxe styling and flat back design.

- **Elongated opening wooden seat**
- Service switch is easy to access
- Through the floor discharge outlet is 1.5"
- Excellent fixture for larger yachts & houseboats

VAC 472251* 12 volt
VAC 472281* 24 volt

* Request Items

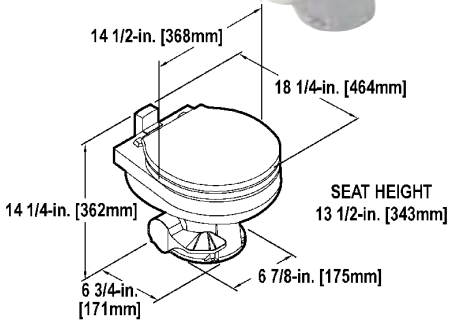
VacuFlush 140 Series For Smaller Boats

- 1 pint flush
- Above-the-floor discharge
- Foot pedal flush
- **Pedal lock for tank pump out**
- **White**

Right side discharge
VAC 014701

Rear discharge
VAC 014801

Left side discharge
VAC 014901



VacuFlush VacuStat Indicator Panels

Continuously monitors status of vacuum in system to assure proper VacuFlush **toilet operation.**

- Green light indicates that it is okay to flush
- **Red light indicates that the vacuum pump is running or, if connected to a TankWatch 4 level indicator with shutdown** relay, denotes that the holding tank is full

VAC 700012 12V
VAC 700024 24V

VacuFlush Status Panel

Providing protection for the vacuum pump, this attractively styled panel allows the owner to shut the system down during the night. It continuously monitors the status of **the vacuum to ensure trouble free operation,** and indicates loss of electrical power or system power off. 10 amp. **circuit breaker.**

VAC 500012 12V

VacuFlush is only sold by Factory Authorized Installing Dealers.

SeaLand/VacuFlush Parts

SLD 230980 Bellows kit for "S & T" pumps.
SLD 236096 Spring cartridge for toilet.
SLD 310048 Ring & Half clamp kit
SLD 310076 Duck bill kit for "S & T" pumps 2/pk
SLD 347802 Duck bill valve "S & T" pumps bulk
SLD 310151 "O" ring replacement for "S and T" pump 2/pk
SLD 310228 Water valve, seal kit, 4 duckbill valves, tester & manual
SLD 310687 White vacuum breaker-Ecovac
SLD 310683 Spring cartridge-Ecovac
SLD 311462 Teflon & rubber vacuflush seal kit
SLD 314349 Water valve kit
SLD 316906 Vacuum breaker for "800" series
SLD 318065 Vacuum breaker for "500" series
SLD 319039 'O' ring-old style S/T pump
SLD 318162 Ball shaft and cartridge kit
SLD 319054 Vacuum breaker w/ hand spray
SLD 340177 Supply hose (147)
SLD 341549 Floor flange seal for toilet.
SLD 340734 'B' Pump diaphragm
SLD 342419 'M' Pump diaphragm
SLD 342514 Nitrile duck bill valve
SLD 342971 Reducer adapter
SLD 343938 Floor flange seal 110
SLD 347807 Bellows half clamp
SLD 348702 Large duck bill for L/B/M pump
VAC 310540 Switch kit VG3
VAC 311423 Whisper motor kit 12V

VacuFlush J-Series Vacuum Generators

Installation Flexibility - Pump body and plumbing fittings easily rotate to accommodate diverse plumbing layouts. Inlet and outlet fittings are interchangeable.

- Pump Flow - Large 2" (51mm) ID duckbill valves improve flow through **pump**
- **Dimensions: 20-1/8" x 9-1/8" x 14"**

VAC 780012 12V
VAC 780024 24V

Parts:
SLD 311208 Duck bills
VAC 311216 Vacuum switch

VacuFlush Low Profile Vacuum Generator

Only 8" inches high allows this vacuum generator to be installed in shallow spaces. Vacuum tank and pump can be mounted separately.

- Clears bowl instantly
- 4-6 amp. draw per flush

VAC 770012 12V

Parts:
SLD 310902 Pump repair kit
VAC 311216 Vacuum switch

VacuFlush S-Series Vacuum Pumps

The S-series vacuum pump is an electric, straight through, bellows type pump. It is manufactured of long lasting polypropylene, **draws 2 to 6 amps at 12V. It can be mounted** up to 20' away from the vacuum tank but **must be mounted right side up. The bellows** style allows it to be run dry without damage.

- **Weight: 8 lbs.**
- **Inlet and outlet connections: 1-1/2" hose barb**

Part #	Volts	Breaker/Fuse
VAC 201200	12V	12-14 ga - 10A
VAC 202400	24V	14-16 ga - 5A

Parts:
SLD 310902 Pump repair kit
SLD 319053 Noise reduction kit
SLD 310728 Swivel kit

VacuFlush Vacuum Tank

Stores the vacuum required to flush the toilet and work the system. A differential switch is **located in the tank that monitors the vacuum. When a drop in vacuum is sensed, it signals the pump to activate. If more than one toilet is** installed in a system, each of the toilets must **have a tank. Inlet and outlet connectors: 1-1/2" hose barb**

VAC 729100 Complete tank
VAC 318032 Vacuum switch for vacuum tank

8100 Series Macerator Toilets

Great Performance. Great Value.

For a powerful macerator toilet in an easy-to-install, easy-to-use fixture, the Dometic 8100 series of MasterFlush™ toilets offers an alternative with appealing value. The electric toilet and flush control panel are the only components to install – no external control module is necessary.

Dometic 8100 series macerator toilets provide two flush settings to help manage water use. The "Normal" flush setting adds a small amount of water to the bowl after every flush, and "Dry Bowl" flushing does not add water to the bowl. Because flushes are controlled by how long the flush button is pressed, the average consumption per flush is estimated at 0.6 gallons (2.3 liters). Water can also be added to the bowl when desired.

User comfort is enhanced with a solid wood, elongated seat. Two heights are available – standard residential toilet height and a low-profile design that accommodates raised platform installations. Each model includes discharge fittings for through-the-floor or above-floor plumbing.

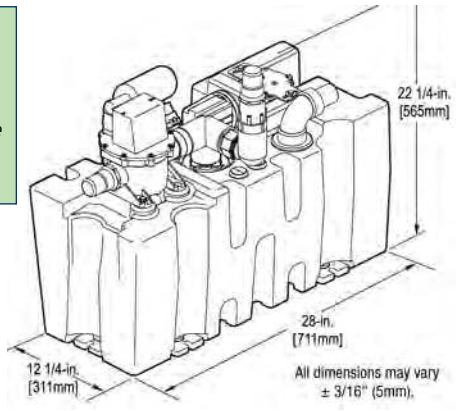
Key Benefits

- Powerful macerator flush.
- Small footprint – fits in most any head compartment.
- Standard and low-profile heights.
- Through-the-floor and through-the-wall discharge fittings.
- Solid wood seat with elongated opening.
- "Normal" and "Dry Bowl" flush options.
- Convenient electronic flush controls.
- 12 V DC or 24 V DC operation.
- Available in white.

Sealand®
by Dometic GROUP

VacuFlush Series/VHT4500

140 Series Only Includes Pedal Lock that holds flush valve open during pump-out to completely discharge holding tank. Small footprint fits anywhere.



For many boats from 19' to 26' in length, this totally integrated VacuFlush toilet/vacuum holding tank system is the perfect answer - holding as many flushes as a standard 30-gallon tank when used with a typical marine toilet.

- **"3/4 Full" & "Full" tank probes & indicator panel**
- Automatic "Full" shutdown prevents tank overfill

Requirements:

- **140 Series toilet**
- Water Supply: Line/Fitting: .5" MPT
- **Flow: 2 gpm at toilet**
- Discharge: 1.5" ID hose connected to VHT 4500 model

Specifications:

- Waste Capacity: 9.0 gallons (34 l)
- Weight of basic VHT4500: 30 lbs

VAC 704511 HTS system w/ pump & panel

VacuFlush HTS-VG Holding Tank Systems with Built-in Vacuum Generators

Virtually any boat from 19 feet in length and longer can feature a complete VacuFlush toilet system. Many HTS-VG models include level indicators, vacuum relief valve, vent filter and discharge pump for added convenience and reliability.

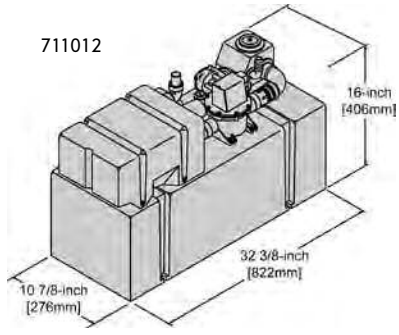
- **Tankwatch, TankSaver, 1 outlet**

VAC 711012 10 US gallons

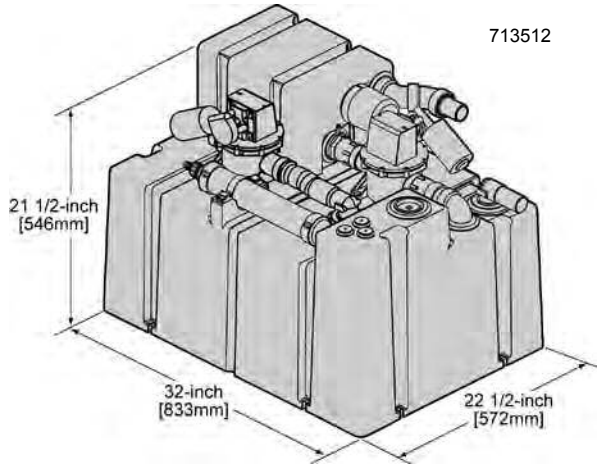
- Tankwatch, TankSaver, 2 outlets, discharge pump & vent filter

VAC 713512 35 US gallons

711012



713512



There are many VacuFlush Holding Tank Systems available. Please ask for the complete catalogue.

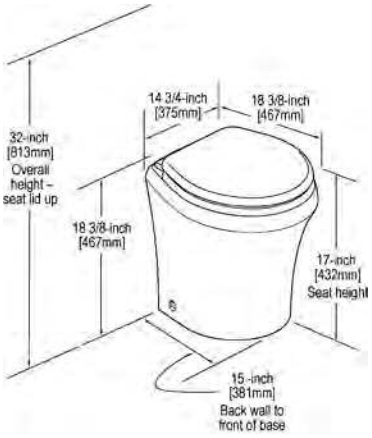
SeaLand MasterFlush 8100 Series Macerator Toilets

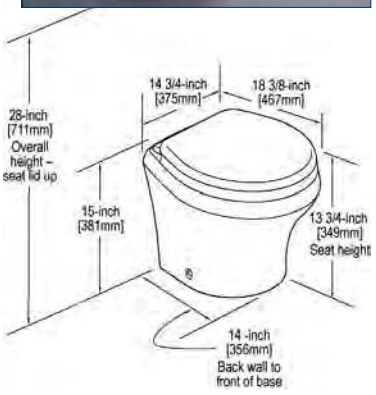
Macerator toilets powered with MasterFlush technology. The contemporary shape features a compact footprint to fit in most any head **compartment.**

- Powerful macerator flush
- Small footprint - fits in most any head compartment
- Standard and low-profile heights
- Through-the-floor or through-the-wall discharge options
- "Normal" or "Rough Sea" flush options
- **12V or 24V operation**
- **Comes with switch**
- **Colour: White**

SLD 811201	12V, Low profile
SLD 811601*	24V Low profile
SLD 815201	12V, Standard profile
SLD 815601*	24V, Standard profile

*Request Item





SeaLand MasterFlush 8700 Series Macerator Toilets

875971

- Powerful macerator flush
- Integral water trap provides quiet yet effective flushing action
- Wall mounted Touchpad flush panel (optional) or toilet mounted flush **lever**
- Through-the-floor or through-the-wall discharge options
- **Wood seat with elongated opening**
- Discharge outlet is both 1-1/2" (38mm) straight and 90° elbow outlets (through floor or above the floor)
- "Normal" or "Dry Bowl" flush options
- **12V or 24V operation**
- **Colour: White**

NOTE The lever flush series does not require a separate switch to operate. The panel flush series requires a remote panel (sold separately) to operate

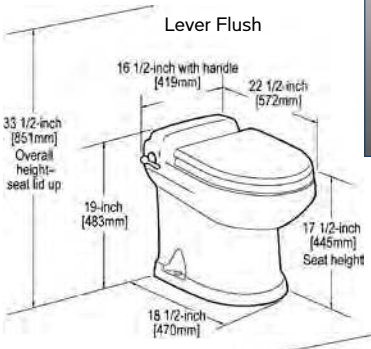
SLD 875971	12V, lever flush
SLD 875071*	24V, lever flush
SLD 875001*	24V, panel flush
SLD 875901*	12V, panel flush

Panels:

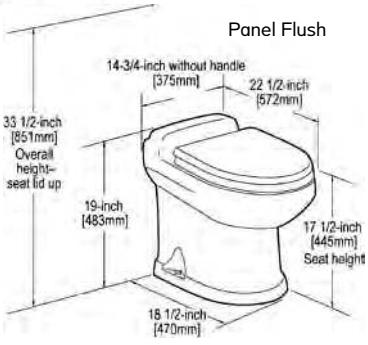
SLD 311702	Rocker panel
SLD 600022	Touch pad

*Request Item

Lever Flush



Panel Flush



SeaLand SaniPottie Portable Toilets

Completely self-contained they operate on their own 2.6 gallon clean water supply with no hook up to water or power. Easy access **top mounted water port provides convenient** in-vessel refill.

- High density polyethylene construction, matte finish
- **2.5 or 5.0 gallon freshwater tanks; enough for about 30 to 60 uses.**
- **MSD models can be installed for direct overboard, dockside pump-out, or remote tank discharge**

SLD 096202 2.5 gal, Tan, H: 12" x W: 14-1/2" x D: 16-1/2"
SLD 096602 5.0 gal, Tan, H: 15-1/2" x W: 14-1/2" x D: 16-1/2"
SLD 196406 2.5 gal, Grey MSD direct discharge
SLD 196506 5.0 gal, Grey MSD direct discharge

Parts:

SLD 310018 S/S hold down brackets for 2.8 gal
SLD 310239 S/S hold down brackets for 5 gal
SLD 310572 Parchment parts kit
SLD 310573 Platinum parts kit
SLD 239064 Slide valve assembly - white
SLD 250022 Holding tank cap & "O" ring kit
SLD 310050 Cap & seal kit
SLD 310066 Latch assembly - white
SLD 310067 Latch assembly - tan
SLD 310102 Cap kit - tan
SLD 310103 Cap kit - platinum
SLD 310104 Bellows kit - tan
SLD 346401 Bottom "O" ring
SLD 346549 Top "O" ring

SeaLand SaniPottie 970 Series Portable Toilets

- Pressure flushing action provides **powerful bowl rinsing**
- **Push-button operation is as convenient as a household toilet (no pumping after** every flush)
- Material is high-impact ABS with a durable shiny surface
- Level indicator continuously shows tank **level through last half of the total volume**
- **Swing-out discharge spout is extra long**
- Two automatic lower tank vents greatly reduce possibility of splashing while emptying
- **Manual lower tank vent is easier to use because it does not** have to be continuously held open
- **Self-contained freshwater 2.3 gallon tank**
- 2-tone grey
- **MSD models can be installed for direct overboard, dockside pump-out, or remote tank discharge**

SLD 097406 2.6 gal, H: 12-1/2" x W: 13-1/8" x D: 15-1/4"
SLD 097506 5.0 gal, H: 15-1/4" x W: 13-1/8" x D: 15-1/4"
SLD 197406 2.6 gal, MSD w/ fittings for direct discharge
SLD 197506 5.0 gal, MSD w/ fittings for direct discharge

SeaLand Gravity Discharge Toilets

The gravity discharge toilet is designed to mount over a 3" closet flange in the top of a holding tank. Household size, china bowl is rinsed from onboard demand water system coupled to the 1/2" MPT fitting on the toilet. It has an integral anti-syphon vacuum breaker and a single pedal for water level and flushing **control.**

- **White**

SLD 651001 Wooden seat, H: 17-1/8" x D: 20-1/2" x W: 15-1/4"
SLD 621001 Plastic seat, H: 16-1/4" x D: 19-1/2" x W: 14-3/4"
SLD 611101 H: 14" x D: 19-1/2" x W: 17-1/4"

Parts:

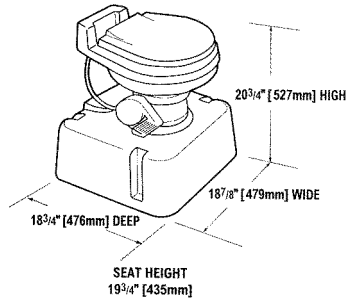
SLD 345889 3" threaded floor flange
SLD 345892 3" socket floor flange

SeaLand Traveler Marine Sanitation System

A complete freshwater system in one self contained package. **Ideal replacement for re-circulating toilets. China bowl is rinsed** with fresh water from on-board demand system. No electrical connections. Integral anti-syphon vacuum breaker protects potable water supply. Water level and flushing action controlled by single pedal control. Holding tank is molded fibreglass with 9 gallon capacity. Discharge connection is 1-1/2" hose insert. **Vent connection is for 5/8" hose. Water connection is 1/2" MPT. Includes stainless steel mounting bracket and hardware.**

- Colour: Bone

SLD 371103 Toilet & tank



LIGHTWEIGHT & CONTEMPORARY

JABSCO®

LITE FLUSH ELECTRIC TOILET

A NEW Electric Toilet designed to instantly retro-fit your existing manual toilet or to give your bathroom a modern stylish look. The innovative design offers both low power and water consumption with an integral rinse and waste pump system.

Features and Benefits

- Lightweight, compact, stylish and contemporary design
- NEW quiet and efficient flush pump technology
- Low power consumption & water usage [1.2 litres (1.3 US qts) per flush]
- Slow close seat and lid

A Global Leader in Pump & Valve Solutions

www.jabsco.com

ITT

ITT Jabsco Lite Flush Toilet

An electric toilet designed to instantly retro-fit your existing manual toilet or to give your bathroom a modern stylish look. The **innovative design offers both low power and water consumption with an integral rinse and** waste pump system.

- Space saving stylish design
- **Compact size, rotatable seat**
- Virtually silent operation
- Choice of leaving bowl wet or dry after **use**
- Non-clogging large bore flush pump **macerates waste**
- Uses less than 1.0 amp/hour per day
- **ISO 8846 MARINE - Ignition Protection**
- **24 lbs**
- W: 13-1/2" (15-3/4" w/ foot pad) x H: 14-3/4" x D: 15-3/4"

Flush Pump Internally mounted, high speed, non-clogging, centrifugal, waste macerating pump driven by powerful 240 watt, **12 or 24 Vdc, permanent magnet motor with ball bearings and** robust ceramic seal, discharges up to 5ft (1.5m) above the base of **the toilet.**

Rinse Pump Jabsco, self-priming up to 3m (10ft), dry running, diaphragm water pump driven by 12 Vdc, permanent **magnet, ball bearing motor.**

Foot Switch **Integral one touch 'Press and Release' switch pad, sealed for life.**

Control Panel **One Touch 'Press and Release' switch pad,** sealed for life, with 10ft (3m) link cable, fitted quick connector, and **heat shrink seal.**

Standards **Complies with ISO8846 MARINE [Ignition protection]. CE**

Port (s) Raw Water Rinse pump inlet - 3/4" (19mm) hose tails. Flush pump discharge - 1-1/2" (38mm) hose tail.

ITT 58500-0012

ITT Jabsco Deluxe Flush Electric Toilet

You may install JABSCO Deluxe Flush electrically operated marine toilets in **both power and sailing craft, either above or below the waterline.**

- Space saving stylish design
- **Regular household size seat**
- Virtually silent operation for **undisturbed sleep**
- **User selectable choice of "one touch"** flush cycles for minimal water usage - a 'Quick Flush' uses less than 1 quart (1 litre)
- Selectable choice of leaving bowl wet or dry after use
- **Fresh or raw water rinse models**
- Non-clogging centrifugal flush pump
- Uses less than 1.0 amp/hour per day
- **ISO 8846 MARINE - Ignition Protection**
- Crevice free contours for added cleanliness and hygiene
- All plumbing and wiring easily concealed
- **Angled back vitreous china bowl**
- H: 17-1/4" x W: 14-1/2" x D: 17-1/2"
- 30kg (67 lbs)

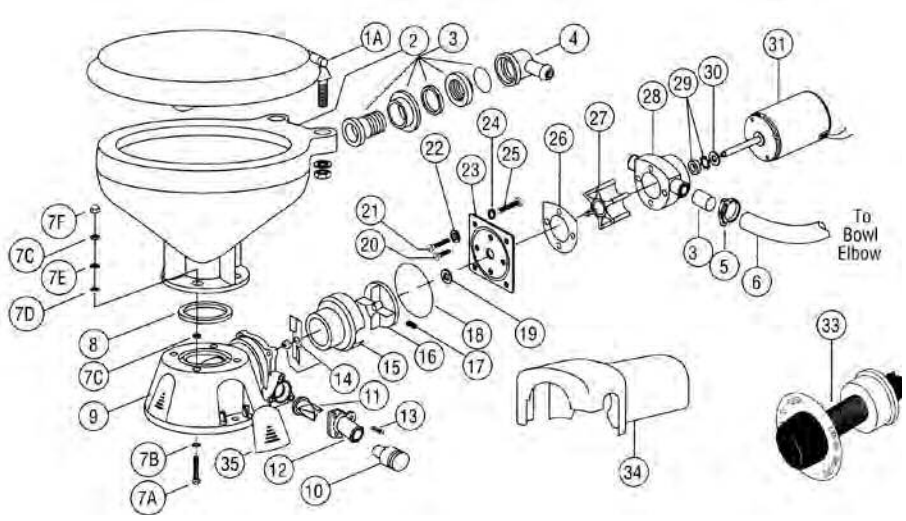
ITT 58020-1012 12 Volt, 25 amp fuse

Notes

ITT Jabsco Electric Marine Toilets

This electric toilet is equipped with a dual function pump which eliminates hand pumps and dry bowl valves. With the simple push of a button, the self-priming flush pump rinses the bowl as the macerator and high capacity scavenger pump grinds up waste and pumps it out. It can be used with either a holding tank or a flow-through treatment device. The base assembly can be rotated for most convenient plumbing connections. Inlet: 3/4". Outlet: 1".

Part #	Style	Volts	Amp Draw	Depth	Width	Height
ITT 37010-0090	Compact	12	18	17-5/8"	13-7/8"	14"
ITT 37010-1090	Full Size	12	18	18-1/2"	14-3/4"	14-5/8"



Key	Description	#	Part #	Stock
	Service Kit		**ITT 37040-0000**	S
	12/24V Motor pump assembly		**ITT 37041-0010/11**	S
1A	Hinge only	1	**ITT 29098-1000**	S
2	Bowl, Compact	1	-	S
3	Household	1	**ITT 18753-0060**	S
4	Spud, Intake Elbow & O-ring	1	**ITT 29048-0000**	S
7	Bowl Install Hardware	1	**ITT 18753-0637**	R
7A	Phillips Screws**	4	-	R
7B	Starlock Washer**	4	-	R
7C	Hex Nuts**	4	-	R
7D	Washer Plastic**	4	-	R
7E	S/S Washers**	8	-	R
7F	Nut Cap**	4	-	R
8	O-ring Bowl Seal	1	**ITT 44101-1000**	S
9	Base Assembly**	1	**ITT 37004-1000**	S
10	1-1/2" Adapter Discharge Port	1	**ITT 98023-0080**	R
11	Joker Valve* **	1	**ITT 44106-1000**	S
12	1" Discharge Port**	1	**ITT 44107-1000**	S
14	Chopper Plate	1	**ITT 37056-1000**	S
S = Stocked Item R = Request Item				

Key	Description	#	Part#	Stock
15	Macerator Housing	1	**ITT 37014-0000**	S
16	Centrifugal Impeller	1	**ITT 37006-0000**	S
17	Set Screw	1	**ITT 91084-0320**	S
18	O-ring*	1	**ITT 43990-0066**	S
20	Screw	2	**ITT 91009-0096**	R
21	Screw	2	**ITT 91010-0130**	R
23	Wear Plate	1	**ITT 37018-0000**	S
24	#10 Lock Washer	4	-	R
25	Screw	4	**ITT 91027-0011**	S
26	Gasket*	1	**ITT 12558-0000**	S
27	Flexible Impeller*	1	**ITT 6303-0003-P**	S
28	Body	1	**ITT 12554-0000**	S
29	Seal & Retainer*	1	**ITT 1040-0000**	S
30	Slinger	1	**ITT 6342-0000**	S
31	Motor 12 Volt	1	**ITT 37064-0000**	S
31	Motor 24 Volt	1	**ITT 37065-0000**	S
33	Switch & Plate	1	**ITT 37020-0000**	R
34	Motor Cover	1	**ITT 43990-0051**	R

*Parts supplied with Service Kit ITT 37040-0000 **Parts included with base ITT 37004-1000

ITT Jabsco Quiet - Flush Toilets

The Quiet-Flush Toilet is available with a choice of toilet bowl rinse water supply systems. All models incorporate a powerful waste water evacuation pump with built in macerator. They feature easy to clean china bowls and are available in either compact or household size. Each toilet includes a multi function flush control panel that features a single button for flushing and a rocker switch for filling or draining water in the bowl.

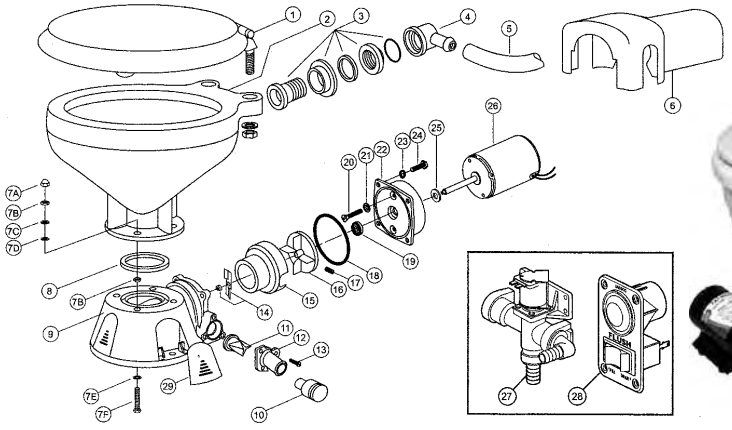
The 37045 model (QF214 Type) is a compact 14" high toilet for small areas. The bowl rinse water is controlled by an electric solenoid valve and siphon breaker assembly that may be connected to any pressurized water system capable of **delivering 3.5 GPM. The siphon breaker protects the water from accidental contamination. Can also be connected to a** pressurized saltwater system such as a saltwater washdown.

The 37245 model (QF314 Type) includes a Par Max 4 self priming mounted remotely from the toilet to supply either sea water or lake water rinse of the toilet bowl. These toilets must not be connected to the potable water system on a boat for the fear of contamination.

Part #	Bowl	Volts	Amp Draw	Depth	Width	Height	Model
ITT 37045-0092	Regular	12	10	17-5/8"	13-7/8"	13-3/4"	QF 214
ITT 37245-0092*	Regular	12	10	17-5/8"	13-7/8"	13-3/4"	QF 314

* Comes with remote pump ITT 31631-1092

EXPLODED VIEW



37245-0092

37045-0092

Key	Description	#	Part #	Stk	Key	Description	#	Part #	Stk
2	Bowl, Household Size	1	**ITT 18753-0060**	S	17	Set Screw	1	**ITT 91084-0320**	S
3/4	Bowl Spud/Elbow/ O-ring	1	**ITT 29048-0000**	S	18	O-ring*	1	**ITT 43990-0066**	S
5	Hose, 6′	1	**ITT 29035-1031**	R	19	Seal*	1	**ITT 1040-0000**	S
6	Motor Cover	1	**ITT 37042-1000**	R	20	Screw	2	**ITT 91010-0144**	N/A
7	Bowl Installation Hardware	1	**ITT 18753-0637**	R	21	Washer, Plastic*	2	**ITT 35445-0000**	R
7A	Nut Cap**	4	-	-	22	Seal Housing	1	**ITT 37043-1000**	R
7B	Hex Nut**	8	-	-	23	Lock Washer S/S	4	-	R
7C	Washer S/S**	4	-	-	24	Screw	4	**ITT 91027-0011**	S
7D	Washer Plastic**	4	-	-	25	Slinger	1	**ITT 6342-0000**	S
7E	Washer Starlock**	4	-	-	26	Motor 12-Volt	-	**ITT 18753-0554**	S
7F	Phillips Head Screw**	4	-	-	26	Motor 24-Volt	-	**ITT 18753-0555**	R
8	Bowl O-ring Seal	1	**ITT 44101-1000**	S	27	Solenoid Valve & Siphon Breaker 12V	1	**ITT 37038-1012**	S
9	Base Assembly**	1	**ITT 37004-1000**	S	27	Solenoid Valve & Siphon Breaker 24, 32V	1	**ITT 37038-1024**	S
11	Joker Valve* **	1	**ITT 44106-1000**	S	28	Switch Panel	1	**ITT 37047-1000**	S
12	1” Discharge Port**	1	**ITT 44107-1000**	S	29	Service Kit	-	**ITT 90197-0000**	R
13	Screw**	3	-	-	29	Motor & Pump Assembly12-Volt	-	-	-
14	Chopper Plate W/ Lock Nut	1	**ITT 37056-1000**	S	29	Motor & Pump Assembly 24-Volt	-	-	-
15	Macerator Housing	1	**ITT 37014-0000**	S					
16	Centrifugal Impeller	1	**ITT 37006-0000**	S					

S = Stocked Item R = Request Item * Parts with Service Kit **
Parts with 37004-1000 Kit

ITT Jabsco Manual Marine Toilet

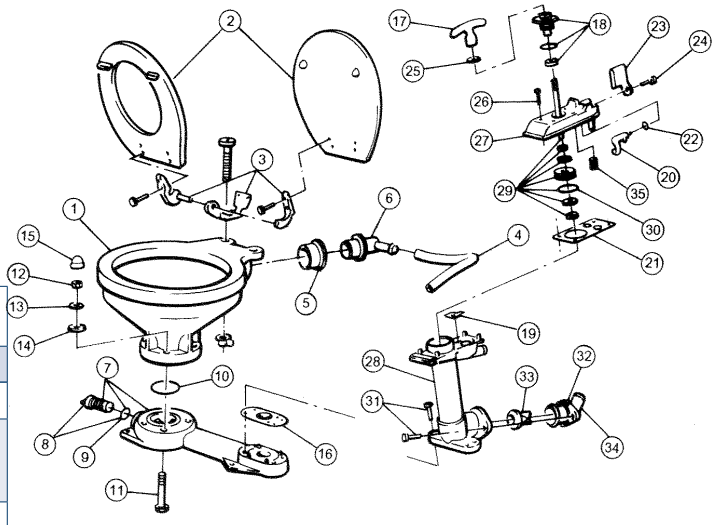
The manual marine toilet features smoother contoured lines. In addition, all black rubber gasket edges on the toilet have been concealed from view. These improvements make it easier to clean than ever. Plastic components are made from polypropylene making them both strong and resistant to most chemicals and **cleaning supplies. Pump and base can be assembled for left hand operation.**
Inlet size: 3/4". Outlet size: 1-1/2".

The Twist 'N' Lock Manual Toilet with a safety handle providing a quick and easy lock to ensure there will be a solid seal during a voyage - eliminating flooding and waste backflow. This is achieved by a bayonet style lock incorporated into the handle that is easily secured by placing slight pressure and twisting. The handle works by locking a re-designed cone-shaped piston assembly down onto the base valve gasket holding it firmly shut, helping prevent the backflow of any wastewater into the bowl. The Twist 'N' Lock Manual Toilet includes a swivel angled outlet for simple installation, powerful self priming pump, rotating outlet nozzle, and is crevice free for easy cleaning.

ITT 29090-3000 Marine
- 16-3/4" D, 17-3/4" W, 13-3/16" H

ITT 29120-3000 Regular
- 19" D, 18-1/2" W, 13-1/2" H

	ITT 29045-0000	Major service kit, pump (29090-0000)
Kit-A	**ITT 29045-2000**	Major service kit, pump (29090-2000)
Kit-A	**ITT 29045-3000**	Major service kit, pump (29090-3000)
Kit-B	**ITT 29040-3000**	Pump assembly
Kit-C	**ITT 29094-3000**	Valve cover & handle assem
Kit-D	**ITT 29051-2000**	Pump cylinder assembly
Kit-E	**ITT 29047-0000**	Bowl installation kit



ITT 29090 Service Parts				*Qty per Repair Kit*				
Key	**Description**	**#**	**Part #**	**A**	**B**	**C**	**D**	**E**
1	Bowl, Compact	1	-	-	-	-	-	-
2	Seat, lid, hinge kit Compact Regular	1	**ITT 29097-1000 ITT 29127-1000**	-	-	-	-	-
3	Hinge Set	1	**ITT 29098-1000**	-	-	-	-	-
4	Hose, Compact	1	**ITT 29035-1000**	-	-	-	-	-
5 6	Intake Seal Intake Elbow	1 1	**ITT 29048-0000**	-	-	-	-	-
7	Base, Plug & O-ring	1	**ITT 29041-1000**	-	-	-	-	-
8	Plug & O-ring Assy.	1	**ITT 29028-1000**	-	-	-	-	-
9	O-ring, Plug	1	-	1	-	-	-	-
10	O-ring, bowl	1	-	-	-	-	-	-
11	Bolt	4	-	-	-	-	-	1
12	Nut	4	-	-	-	-	-	4
13	S/S Washer	4	-	-	-	-	-	4
14	Nylon, Washer	4	-			-	-	4
15	Cap	4	-	2	-	-	-	4
16	Base Valve Gasket	1	**ITT 29043-0000**	1	1	-	-	-
17	Handle	1	**ITT 29026-2000**	-	1	-	-	-
18	Seal Assembly	1	**ITT 29044-0000**	1	1	1	-	-
19	Top Valve Gasket	1	-	1	1	-	1	-
20	Cam	-	-	-	1	1	-	-

Continued				*Qty per Repair Kit*				
Key	**Description**	**#**	**Part #**	**A**	**B**	**C**	**D**	**E**
21	Top Valve Gasket	1	**ITT 29042-0000**	1	1	-	-	-
22	O-ring, Flush Lever	1	-	1	1	1	-	-
23	Flush Control Lever	1	-	-	1	1	-	-
24	Screw, Flush Lever	1	-	1	1	1	-	-
25	Buffer	-	-	-	1	1	-	-
26	Screw, Valve Cover	6	-	1	6	6	-	-
27	Valve Cover	1	-	1	1	-	-	-
28	Pump Cylinder	1	-	-	1	-	1	-
29	Piston, Rod & O-ring Assy.	1	**ITT 29046-3000**	-	1	-	-	-
30	O-ring, Piston	1	**ITT 29017-1000**	1	-	-	-	-
31	Screw, Pump Cylinder	6	-	1	2	-	2	-
32	Discharge Flange	1	**ITT 29091-1000**	-	1	-	1	-
33	Joker Valve	1	**ITT 29092-1000**	1	1	-	1	-
34	Discharge Elbow	1	**ITT 29029-0000**	-	1	-	1	-

ITT Jabsco Electric Conversion Kit

Converts nearly any manual **marine toilet to an electric unit. Converts the Raritan** PH or Compact; Wilcox Crittenden Head Mate; Groco HC and SeaLand (Mansfield) **750 through 752 Series china** bowls. Also fits PAR or Brydon 59128-Series, Jabsco 29090 and 29120-Series and other marine toilets with a 3-3/4" (95mm) bowl/base mounting circle **with 4-hole pattern and rear of bowl water inlet. Includes all** hardware necessary to fit the china bowl to the conversion base **and a white pump cover to dress up the installation. The self-**priming flexible flush pump rinses the bowl while the powerful **macerator scavenger pump grinds up and pumps out waste.** A built-in back flow preventer is included in the discharge. A heavy duty push-button switch and 1" to 1-1/2" hose adapter for **the discharge port plus all clamps and fasteners to complete the conversion are included.**

ITT 37010-0092 12V, 18 amps
ITT 37040-0000 Service kit, seal & gasket

ITT Jabsco Electric Flush Pump Conversion Kit

Complete for 29090/2910 Series, compact and regular bowl, left or right hand manual toilets and adaptors replace the conversions standard macerator housing to allow attachment to a variety of **manufacturers' manual toilets.** Simple rotary control knob offers **choice of "Flush and Discharge" or** "Discharge Only".

- **Low power consumption**
- 5 GPM (20 LPM) flush rate for rapid flushing
- **Two powerful self-priming pumps for above or below waterline installation**
- **Automatic inlet water check valve**
- 10-1/2" H x 4" W x 7-3/4" D

ITT 29200-0120 Conversion kit
ITT 29101-0000 29200 Service kit, seals & gaskets

ITT Jabsco Quiet-Flush Toilet Conversion Kits

Convert nearly any manual or electric marine toilet to the Jabsco Quiet-Flush System with dual function flush control. The control panel has a simple push-button flush actuator plus a dual action rocker switch that allows the user to vary the bowl water level to suit personal preference. Converts the Raritan PH or Compact; Wilcox Crittenden Head Mate; Groco HC and SeaLand (Mansfield) 750 through 752 Series china bowls. Also fits PAR or Brydon 59128-Series, Jabsco 29090 and 29120-Series and other marine toilets with a 3-3/4" (95mm) bowl/base mounting circle with 4-hole pattern and rear of bowl water inlet. Includes all hardware necessary to fit the **china bowl to the conversion base and a white pump cover to dress up the installation.**

37055 Connects to an on board pressurized potable water system that can deliver 3-1/2 GPM (13-1/2 LPM) minimum for clean odour free flushes. It includes a solenoid valve/ siphon breaker assembly to prevent water contamination. Alternatively, it can be connected to any on board pressurized salt water system (such as a wash-down system) with adequate capacity and that remains active while the vessel is in use.

ITT 37055-0092

37255 Includes a dedicated PAR-MAX-4 water pump that is mounted remotely from the toilet **to provide either sea or lake water to rinse the bowl. The PAR-MAX is an in-demand pump and** does not create a pressurized system. It comes complete with an intake strainer to protect the **pump from debris.**

ITT 37255-0092

Wilcox Toilet Repair Kits

Kits contain all of the parts necessary to perform regular **maintenance on Wilcox Crittenden marine toilets.**

Sealco 1550-C Skipper Repair Kit
W/C 37070

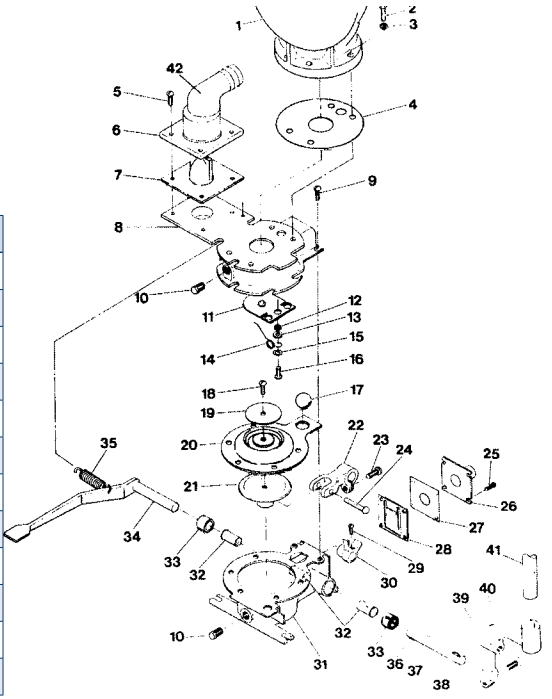
Sealco 4042-C Winner Repair Kit
W/C 37060

Sealco 1460C HeadMate Repair Kit
W/C 37057

Sealco 1559 Repair kit
W/C 37058

► NOTE: **Please call for a list of parts** available separately

Groco Toilet Parts

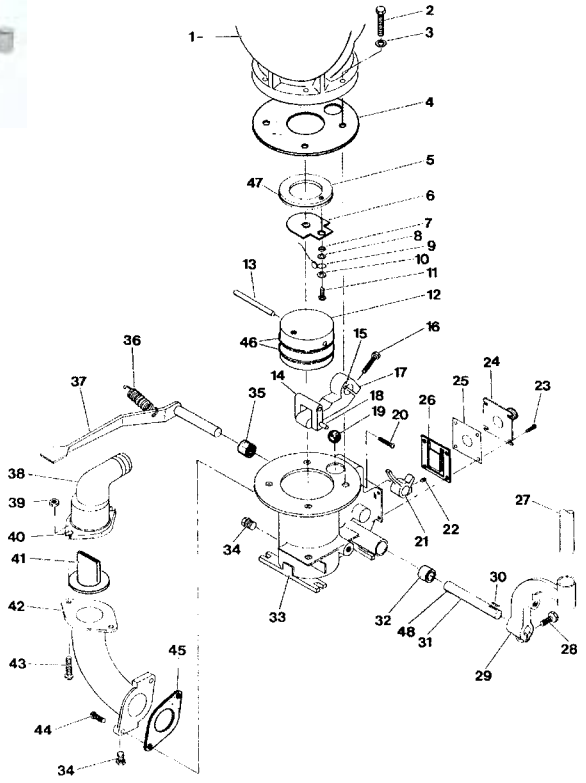


GRO EB-MASTER
Includes all the items marked in parts list under EB

GRO HF-MASTER
Includes all the items marked in parts list under HF

Part #	Key	Description	Stock	Qty	EB	HF
GRO HT-52-A	4	Gasket	S	1	S	S
GRO H-27	7	Joker Valve	S	1	S	S
GRO HT-26-A	11/12	Flap/Gasket & Spacer Ring	S	1	S	S
GRO HT-84-A	13-16	Spring Assembly	S	1	S	S
GRO HT-56	17	Check Ball	R	1	S	S
GRO HT-3554-A	18-20	Diaphragm Assy.	S	1	-	S
GRO HT-3557-A	27	Plastic Separator	S	1	S	S
GRO HT-3557	28	Inlet Gasket	S	1	S	S
GRO HT-3563-A	32	Plastic Bearing	S	3	S	S
GRO HT-3564	33	Rubber Seal	S	2	S	S
GRO HT-6566-1/2	36-38	Pump Shaft & Key	S	1	-	-
S = Stock Item R = Request						

Groco K Toilet Parts



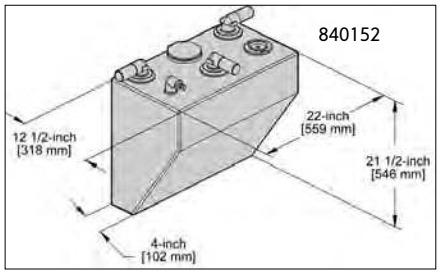
GRO K-REGULAR
Includes all the items marked in parts list under K Kit.

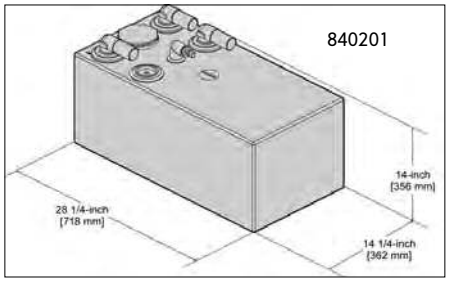
Part #	Key	Description	Stock	Qty	K Kit
GRO HT-52-A	4	Gasket	S	1	S
GRO HT-26-A	6-7	Gasket Assembly	S	1	S
GRO HT-84-A	8-11	Spring Assembly	S	1	S
GRO K-32	12-18	Piston Assy. W/Crank	R	1	S
GRO HT-56	19	Check Ball	S	1	S
GRO HT-3557-A	25	Gasket	S	1	S
GRO HT-3557	26	Gasket	S	1	S
GRO HT-6566-K-5/8"	30-31	Pump Shaft & Key	S	1	-
GRO WS-2422	32	Seal	S	1	S
GRO HT-3564	35	Seal	S	1	S
GRO H-27-A	41	Joker Valve	S	1	S
GRO K-7-A	45	Gasket	R	1	S
GRO K-3-R	46	Piston Rings Only	R	2	S
GRO 2-041	47	O-ring After 05/89	S	1	-
S = Stock Item R = Request					

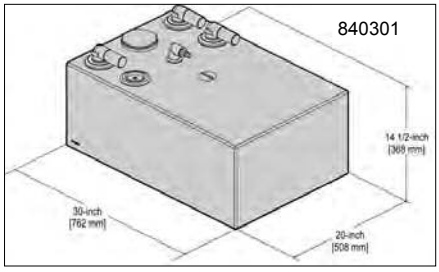
SeaLand Holding Tanks

- **Leak-proof Design - Top-mounted hose connections eliminate standing liquid in discharge hose**
- Odour-free-100% virgin polyethylene resin with heavy walls prevents odour permeation and resists corrosion
- **Implosion Protected - TankSaver vacuum relief valve prevents damage from dockside pumps high levels of vacuum**
- ISO/USCG Compliant - SeaLand holding tanks fully comply with the ISO 8099:2000(E) standard

SLD 840152 15 HTS-Vertical (15 gallon)
SLD 840201 20 HTS-Horizontal (18 gallon)
SLD 840301 30 HTS-HRZ (28 gallon)

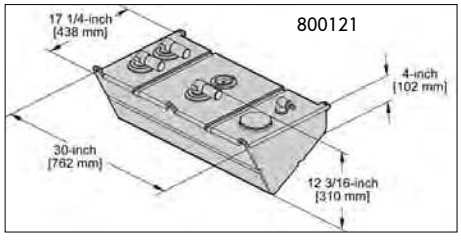


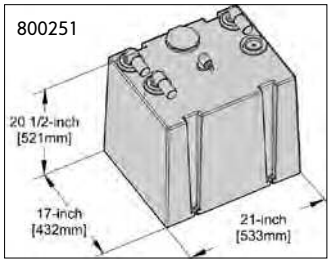


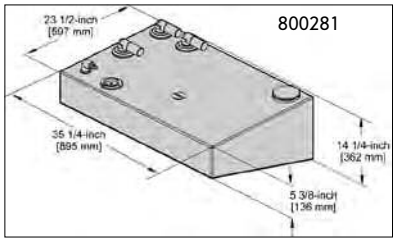


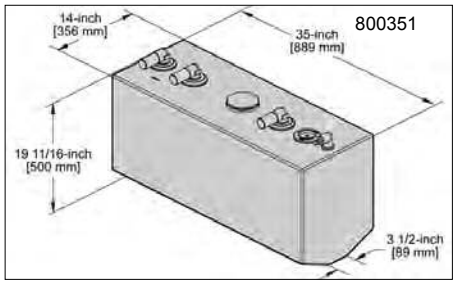
SLD 800121* 12 HTS-HL (11 gallon)
SLD 800251* 25 HTS-HRZ (25 gallon)
SLD 800281* 25 HTS-HL (28 gallon)
SLD 800351* 35 HTS-HL (35 gallon)
SLD 840121* 12 HTS-HRZ (11 gallon)
SLD 840122* 12 HTS-VRT (11 gallon)
SLD 840151* 15 HTS-HRZ (15 gallon)
SLD 840202* 20 HTS-Vertical (18 gallon)
SLD 840401* 40 HTS-HRZ (34 gallon)
*Request

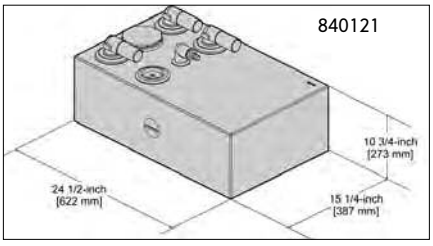
► NOTE: **Additional sizes are available. Ask for a SeaLand Tank catalogue.**

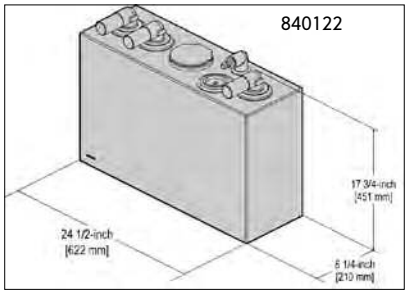


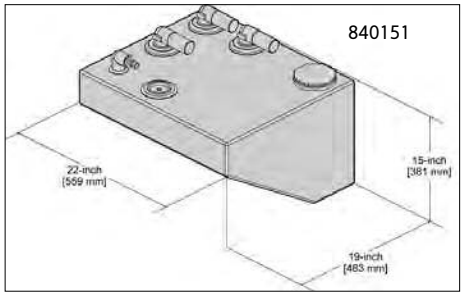


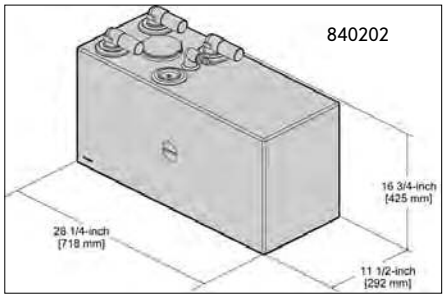


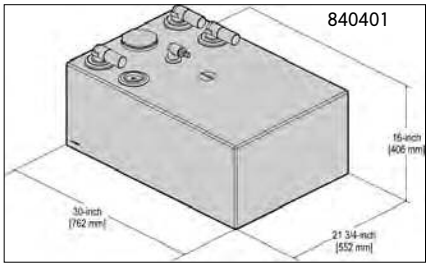








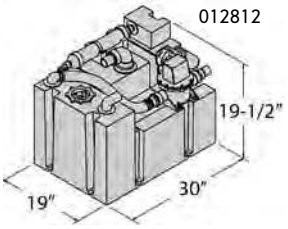


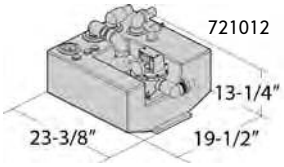


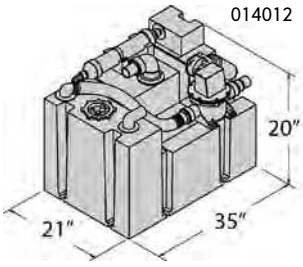
SeaLand Holding Tank Systems

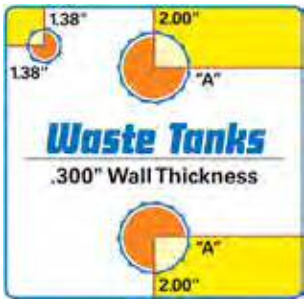
This system combines space saving with level indicator, relief **valve, discharge pump and holding tank into one package. It is** designed to simplify installation as the TankWatch 4 level indicator and T-series discharge pump are factory installed. Also has integral mounting feet that eliminate the need for any strapping. Has **separate dockside and overboard connections. The TankSaver** relief valve protects the holding tank from excessive suction by strong dockside pumps and satisfies pending ISO regulations for 1-1/2" venting. This system exceeds proposed ISO standards **because of it's 95% tank contents** removal performance. Has unmatched durability because of its 3/8" wall **thickness.**

SLD 721012 10 gallon
SLD 012812 28 gallon
SLD 014012 40 gallon









Moeller Waste/Water Tanks

All tanks are molded of polyethylene and feature a (0.2") wall thickness for strength, and a 3" inspection port on larger capacity tanks for your convenience. Tank comes with two 1-1/2" NPT **openings and a 1/2" NPT vent opening.**

MOE 041215 12 gallon, 24.25" x 15.25" x 8.75"
MOE 041220 19 gallon, 21" x 17" x 14"
MOE 041224 23 gallon, 22.5" x 22.5" x 12"
MOE 041230 29 gallon, 28" x 23" x 11.5"
MOE 041239 38 gallon, 32" x 21.5" x 14.5"
MOE 041245 44 gallon, 35.25" x 20.88" x 15.25"

**All US gallons

MOE 041311 Straight hose adapter kit

MOE 041390 90° adaptor kit
Kits contain 2 each 1-1/2" NPT to 1-1/2" barb adapter,
1 each - 1/2" to 1/2" barb adapter and 1 roll Teflon tape

MOE 041336 Custom fitting kit
Kit contains an access hatch, thru hulls, plugs and fasteners.

ITT Jabsco Minitank Waste Holding Tank

- Constructed of tough polyethylene
- Approximately 6 gallon capacity
- Inlet and outlet fit 1-1/2" hose
- **Vent: 3/4" hose**
- **Weight: 8-1/2 lb**
- 18" L x 9" W x 13" H

ITT 38110-0092

SeaLand Holding Tank Dip Tube Kit

- **Reduces chances of hose failure**
- **Allows waste to be removed from the top of the tank**
- **Eliminates stagnant sewage from sitting in discharge lines**
- **Fits tanks up to 30" deep with a 3" hole required**

SLD 310660

SeaLand Tank Saver Relief Valve

- **Protects holding tanks from excessive dockside pump suction**
- Easy to install
- **Provides excellent odour seal**
- **Reduces pump out time**
- **Meets ISO standards for 1-1/2" venting**
- **Requires 3" opening to install**

SLD 255247

SeaLand Uni-Seals

This rubber seal allows for an easy installation **of a PVC pump out or inlet pipe into the top of a holding tank.**

Part #	Pipe Size	Cut Out
SLD 311110	2"	-
SLD 311111	1-1/2"	2-1/2"
SLD 311164	1/2"	1-1/8"

SeaLand Noz-All Pump Out Adapters

- Makes for easy, clean dockside pump outs
- Made of durable heavy duty nylon
- Provides airtight seal between deck fitting & dockside pump
- **Allows pump to prime without waste**
- Works with both rubber nozzles and cam operated type suction hose fitting

Part #	Size	Thread Pitch	Deck Fitting
SLD 343502	1-1/2"	11.5 TPI	1-7/8"
SLD 343503	1-1/4"	11.5 TPI	1-5/8"
SLD 343504	1-1/4"	16.0 TPI	1-5/8"

Edson Quick Clamp Pump Out Nozzle

The Pump Out Nozzle is attached to the suction end of the pump out hose using a quick clamp adapter (QC) It is then held into the waste deck fitting of a **boat and the tapered rubber shape insures an airtight connection.**

EDS 272QC-150-SG

SeaLand Flush Warning Panel

Simple one light warning panel for flush ready status.

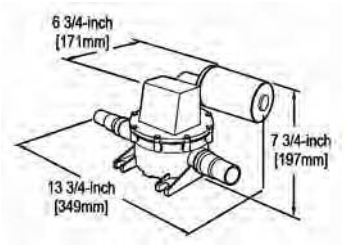
SLD 318714

SeaLand T-Series Discharge Pumps

- **Discharge pump designed to pump out holding tanks**
- **Self-priming to 10 feet**
- Flow rates up to 200 G.P.H.
- Handles solids to 1/2" dia. and can be run dry
- **Included are 1-1/2" & 1" adapters to permit direct replacement of other macerator pumps**
- **Current draw at 12V is less than 6 amps**
- **Weight: 10 lbs**

SLD 301200 12V
SLD 302400 24V

Parts:
SLD 341505 Bulkhead mounting bracket
SLD 310902 Service Kit (O-ring, bushing & bellows)

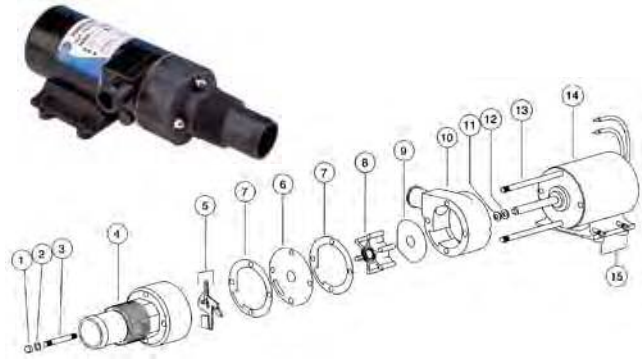


ITT Jabsco DC Macerator Pumps

Macerator pump has a fully sealed motor and a 4 bladed chopper. Electronics prevent pump from running dry - preventing your **impeller from being damaged.**

- **Flow rate to 12 GPM**
- **Self-priming to 4' vertical lift**
- **1" ID hose discharge port**
- 1-1/2" NPT intake port can be screwed directly into holding **tank**
- **Empties a 30 gallon holding tank in less than 3 minutes**
- **Complies with USCG 183.410 and ISO 8846 MARINE** (ignition protection)

ITT 18590-2092 12V, 15 amps
ITT 18590-2094 24V, 8 amps



Key	Description	Part #	Qty	Stocked
3	Stud	**ITT 17288-0010**	2	S
4	Macerator housing	**ITT 18594-1000**	1	R
6	Wear plate, large	**ITT 18597-1000**	1	S
7	Gaskets (2 per kit)*	**ITT 18596-1000**	1	S
8	Impeller*	**ITT 6303-0003-P**	1	S
10	Body*	**ITT 18593-1000**	1	R
11	Seal*	**ITT 1040-0000**	1	S
12	Slinger	**ITT 6342-0000**	1	S
13	Stud	**ITT 17288-0000**	2	S
14	Motor 12V	**ITT 17246-0000**	1	R
15	Grommets (4)	**ITT 92900-0120**	1	R
*	Service kit	**ITT 18598-1000**	1	S
S = Stocked Item R = Request Item				

SeaLand Holding Tank Vent Filters

- Odour removing materials to filter vent line
- **Each cartridge is good for an entire season**
- **Includes mounting bracket**

SLD 310002	Filter with 5/8" hose fittings
SLD 310007-3/4"	Filter with 3/4" hose fittings
SLD 310003	Filter with 1-1/2" hose fittings

Parts:

SLD 310001	Replacement 5/8" & 3/4" filters
SLD 310004	Replacement 1-1/2" filter

Big Orange Holding Tank Vent Odour Filter

This holding tank vent odour filter is easily installed on the vent line of your holding tank and begins working immediately by filtering the air coming from your holding tank to remove the odour.

- **Eliminates waste tank odour**
- **No chemicals needed**
- Refillable filter design
- Built in bypass valve

BOF BO-001	Vent filter 5/8"

Parts:

BOF BO-002	Vent filter refill

Groco SweetTank Odour Neutralization System

The SweetTank concept has been developed to stop holding tank odour without the use of chemicals or filters. By inducing a constant flow of air **into the holding tank through a submerged aeration tube, odour causing anaerobic bacteria is eliminated. The heart** of the SweetTank system is a compact module that operates continuously to deliver air to the holding tank using less than **3-watts of DC power. Comes complete with all hardware for installation. Fits tanks up to 18" deep.**

GRO STK-18 12V
GRO STK-18 24V

STK-18 (Standard Model) aeration equipment fits into any available 1-1/2" NPT threaded fitting in the top or side of the tank. If there is no 1-1/2" NPT opening available the kit can be installed into a 2-1/2" hole cut in the tank top or side.

SeaLand Tankwatch I

The Holding Tank Alert System has a highly reliable micro float switch which **activates a red warning light when tank is full. No electrical components come into contact with waste; no probes to clean.**

- Install on any rigid tank material
- **Operates on 12V DC**
- Includes micro float switch, panel and gasket

SLD 000312

SeaLand Tank Monitors

New DTM systems feature an enhanced four-level LED indicator for waste, water or gray **water tanks as well as a more compact design as compared to previous panels.**

- Highly reliable micro-float switches
- Easy-to-read panel (includes International symbology)
- Complete packages include 22" tank probe cap (s), micro-float switches, lighted indicator panel
- **12 or 24 VDC operation**

SLD 604001	Single tank, DTM04, with vent
SLD 604002	Single tank, DTM04, no vent
SLD 608002	Two tank, DTM08, no vent
SLD 612002	Triple tank, DTM12, no vent

Accessories

SLD 310684	45″ probe kit
SLD 000355	22" probe cap, no vent
SLD 230272	3" universal mounting kit
SLD 348685	3" universal mounting kit with cap
SLD 341292	12 Volt 30 amp SPDT relay
SLD 342490	24 Volt 30 amp SPDT relay

► *Also See: Blue Sea Systems VMS pg xxx*

Hart Tank Tender

Tank Tender provides extremely accurate readings for up to ten tanks, without electricity, operating on **air pressure.**

- **Monitor the levels in all tanks with just one instrument**
- **Select a tank and get an accurate measurement from the bridge in two or three seconds**
- **Tank Tender costs much less than other** industrial systems offering similar accuracy and reliability, and only slightly more than **conventional electric gauges**

The Tank Tender was designed for maximum reliability and accuracy and ZERO maintenance. Tank Tender gauges are **available in scales of 30" or 60" and are calibrated for inches of water and inches of diesel fuel. *The one valve panel can be** expanded to a maximum of four tanks (using one HSI VAK for each additional tank).

Each panel comes with (1) valve & (1) gauge

HSI 1/30	Single connector & 30"/35" gauge
HSI 1/30-PV	Single connector, purge valve & 30"/35" gauge
HSI 1/60	Single connector & 60"/70" gauge
HSI 1/60-PV*	Single connector purge valve & 60"/70" gauge
HSI 10/30*	10 connector & 30" gauge
HSI 10/30-PV*	10 connector, purge valve & 30" gauge
HSI 10/60*	10 connector & 60"/70" gauge
HSI 10/60-PV*	10 connector, purge valve & 60"/70" gauge

* Request Items

Optional purge valve operation is recommended for waste tanks, flipping the toggle to "purge" prior to reading a holding tank; air will bypass gauge and purge TPF tube, if clogged; then flip back to "read" for tank level reading.

Parts:

HSI 30G	30"/35" gauge only
HSI 60G	60"/70" gauge only
HSI VAK	Valve adder kit (valve, crossover tube & wrench)
HSI NT	Nylon tubing per foot
HSI TPF	30" tank penetration kit
HSI EXT	30" TPF extender
HSI LC	Legris connector
HSI UN	1/8" tubing union
HSI PA	Pump assembly
HSI CC	Calibration card
HSI GL	Replacement lens

S.S.I. Covered Toilet Paper Holder

- A fitted lid keeps toilet paper dry under all **circumstances**
- Molded to hold roll securely
- **Flat back is pre-drilled for mounting**
- White ABS plastic

SSI 31000000 White

BEP Tank Monitor

- **Tank level monitoring for up to 3 tanks**
- **14 selectable legends for tank descriptions** eg. Fuel, Water, Blackwater
- Hi - Low tank level alarms for 3 tanks
- Tank levels displayed in graphic or **percentage format**
- Units displayed in litres, imperial gallons or US gallons
- **Audible alarm with mute function**
- Power supply 10-35VDC
- Display is backlit for easy night time viewing

BEP 600-TLM-N

BEP TSI Ultrasonic Tank Sender

- Can be used on fuel, fresh water, grey water **or black water tanks**
- **Programmable for the following outputs, 240-33ohm, 10-180ohm and 0-5volt**
- Low profile and standard SAE 5 hole mounting pattern, allow it to be retro fitted to most other sender brands
- **Programmable for tank dimensions via a computer utilizing** BEP Marines proprietary TSI software, avoiding experimental tank filling on site
- The TSI is configured to a 0-5v output and will connect straight into the BEP 600-TLMN digital tank monitor
- When configured to a 240-33ohm or 10-180ohm output the TSI can be connected to Teleflex, Faria, VDO and many other **popular instrument brands. When connected to nonadjustable gauges the TS1 must be pre-calibrated**
- **Standard off the shelf TS1 sender is set for 0-2M depth, for** most fluids, apart from petrol, output 0-5 volts

** **For applications other than the standard settings,** re-programming is necessary. Programming is a simple process and can be carried out by purchasing a programming kit, part no. TS1-PK and following the detailed instructions supplied. If you are not confident in carrying out your own programming, your supplier **offers this service at an additional charge.**

BEP TS-1 Sensor

Accessories:

BEP TS1-PK Programming kit

Ocean Air Dryroll Covered Toilet Paper Holder

Dryroll is a completely water-tight toilet roll **container/dispenser that can be wall mounted either on the surface or semi-recessed. Solid** ABS plastic moulding - completely chemical **resistant and waterproof when closed.**
H: 18.5 cm x W: 19.5 cm

OCE DR-W-RP

SeaLand Biodegradable Toilet Tissue

- Made of 100% recycled fibre
- Rapidly disintegrates to help keep sanitation systems flowing freely
- **For use in all portable and permanent** toilet systems
- **Four rolls packed in a reusable storage bag**

SLD 441204 Single ply
SLD 441205 2-Ply

SeaLand Clean 'n Green Cleaner & Deodorant

- **Cleans toilets and controls tank odours**
- **Rapid dissolving 2 oz packet effervesces in water**
- **Won't harm plastic bowls or rubber seals**
- **Non-toxic, nonstaining formula contains 100% biodegradable granules**
- Enzymes break down waste and tissue
- **1 packet treats a 40 gallon tank**

SLD 512602 56.7 gr, 12/pkg

SeaLand "MAX Control" Holding Tank Deodorant

10% stronger, with the most effective, biodegradable, odour control ingredients available. Helps to break down waste and tissue keeping **holding tanks clean and fresh smelling.**

- **250 ml treats 150 litres**
- **1 envelope treats 40 gal tank**

SLD 626002 56.7 gr (2-1/4 oz) (6) envelopes, dry
SLD 214017 500 ml (16 oz) bottle, liquid
SLD 214034 1 litre (32 oz) bottle, liquid

SeaLand "Natural" Holding Tank Deodorant

Environmentally safe. A special blend of **biodegradable ingredients form an effective detergent cleaner that has concentrated odour control. "Secure" gives off a fresh light scent and is nonstaining.**

- **4 oz treats a 40 gal tank**

SLD 124008 2 x 237 ml (8 oz)
SLD 114032 946 ml (32 oz)
SLD 114128 3.79 litre (1 Gal)

SeaLand Bowl Cleaner

- **Cleans in two minutes**
- Environmentally safe
- **Thick formula uses 20% less**

Household toilet bowl cleaners often contain chlorine **solvents or caustic chemicals which will deteriorate** your toilet's rubber seals and eventually cause water leaks. Specially formulated for RV and marine toilets.

SLD 314016 473 ml (16 oz)

Head-O-Matic Tankette Bullet

Instantly solves head odours. Installs in **minutes in the raw water intake on most** manufacturers' marine head systems. Every month or so simply "pop" a Head-O-Matic "Bullet" into the "Tankette" (no more messy blue chemicals). This system treats intake line (where the majority of odours originate), the bowl, the lines and the holding **tank with each use.**

ECO 4106 Unit including 2 bullets
ECO 4105 6/pkg bullets

Ecomar Liquid Head-O-Matic

Contains no formaldehyde, but a unique synergist to **continue working where other products are no longer effective. One ounce treats one gallon of waste. Contains lubricant to protect shafts and seals.**

ECO 4020 900 ml

Canndure Odour Check

Guaranteed to eliminate odours. Breaks down odour **causing compounds, leaving a residue that's odour** free. It's safe, non toxic, no heavy dyes or fragrances and liquefies waste. Safe for holding tanks. Easy **measure guide.**

ECO 9951 Litre (35.2 oz)

Ecomar Holding Tank Shock Treat

Instant treatment. Add to clean the holding tank at beginning and end of season. Also for use mid season if malodorous conditions are present. Pour one bottle into the toilet and flush.

ECO 4025 900 ml

BoatLife BioNatural Holding Tank Chemical

All natural, 100% organic, non-toxic, nonhazardous, environmentally friendly. Creates a biological change in waste **matter that renders it free of odour.**

BOA 1107 8/pkg

Polar Stainless Steel Sinks

Polar makes high quality S/S sinks for the marine marketplace. All sinks feature heavy duty construction and are covered by a one year warranty. Flat rim style.

Part #	Style	Finish	Bowl Size	Depth	Drain	Cut-Out	Accessory
PLR 101-110	Single	Brushed	10" x 14"	9-3/4"	3-1/2"	11-5/8" x 15-5/8"	PLR 7400
PLR 102-110	Double	Brushed	25" x 17"	9-3/4"	3-1/2"	23-5/8" x 15-5/8"	PLR 7400
PLR 131-9-0M	Single	Brushed	11-3/14" x 9-3/8"	6"	2"	12-3/8" x 10"	PLR 7466JR
PLR 118-1-0-M	Oval	Polished	13-1/4" x 10-1/2"	5"	1-1/4"	To Shape	PLR 6895

Polar Sink Drain Assemblies

PLR 6895
Plug with chain and stopper and tube. 1-1/4" ID Hose. For use with 118-1-0-M.

PLR 7400
Drain fitting dual strainer. Removable stainless steel basket has neoprene stopper and fine buffed finish.
Fits standard 3-1/2" counter-sunk opening.

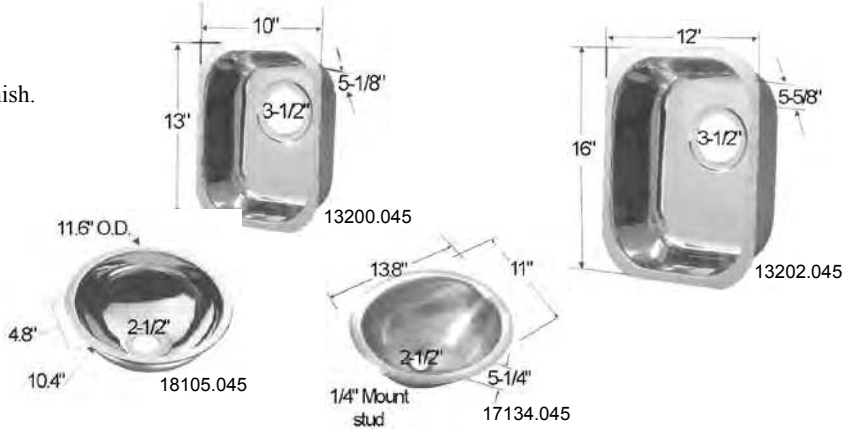
PLR 7466JR Strainer fits 2" drain
PLR B36-104 Tail piece 1-1/2" x 4"

Opella Stainless Steel Sinks

18/18.5 Stainless steel with a polished mirror finish.

OPE 13200.045 Rectangular single
OPE 13202.045 Rectangular single
OPE 17134.045 Oval
OPE 18105.045 Semi-spherical

Parts:
OPE 90133.110 Sink drain w/ o overflow
OPE 90142.110 Drain with overflow
OPE 500.082.110 Pop up drain assembly



ITC
Pivot Flip Drain Assembly

- **Eliminates the need for a pop up** drain assembly
- 2.375" flange fits sink holes 1.5" to 2"
- **Solid brass**
- **Drain pipe option for 3/4" or 1" plumbing**
- **2.362" overall depth for restricted space**
- No overflow hole
- **Three seal rings & a solid brass retaining nut for watertight, secure installation**
- Comes complete with straight (metal) and 90 degree (plastic) **tubes**

ITC 98120CH-D

Marine East Drains

- 100° angled elbow lessens likelihood of **clogging**
- Flush head fits most standard showers
- **Fits marine sanitation hose**
- **Flush head allows complete drainage**
- **White cap**

MEP 3999 3/4" drain w/ hose barb
MEP 4140 1-1/2" drain w/ hose barb

Marelon Sink Fittings

907000

907015

907013
907028

907014

907022
907027

907017

Marelon sink drains are designed for 1" and 3/4" ID hoses and are available in straight and 90° configurations. Model SW-3, SW-4 **and SW-6 components are bright chrome plated, non-corrosive plastic.**

Part #	Model Part #	Tail	Flange	Cut-Out
MPS 907000	SW-1	Straight 1" hose	1-3/4"	1-5/16"
MPS 907014	SW-2	90° 1" hose	1-3/4"	1-5/16"
MPS 907015	SW-3	Straight 1-1/2" screw	2-7/8"	2"
MPS 907017	SW-4	90° 1" hose	2-7/8"	2"
MPS 907013	SW-5	Straight 3/4" hose	1-3/4"	1-5/16"
MPS 907022	SW-6	Straight 1" hose	2-7/8"	2"
MPS 907027	SW-7	Straight 3/4" hose	2-7/8"	2"
MPS 907028	D-1	Straight 1" screw	N/A	N/A

Sea-Dog Sink Funnel Drain

Injection molded polyethylene.

SED 517336

Sea-Dog Sink Drains

- **Injection molded delrin**
- **Fits 1" hose**

SED 517310 Straight barb
SED 517315 90° barb
SED 517390 Sink stopper w/ chain

Shurflo Pop-Up Drain with Overflow

Polished chrome, for 1-1/4" hole sinks
Head diameter: 2-1/4" x length: 8"

SHR 1300019CP

Shurflo Elite Folding Tap

- **Trinidad series**
- **Polished chrome**
- **ceramic disc valve**
- H: 7-5/8" x W: 4-1/4"

SHR 1330209CP

Shurflo Elite Folding Faucet

- **Trinidad series**
- **Polished chrome**
- **ceramic disc valve**
- H: 7-5/8" x W: 7-1/4"

SHR 1330210CP

Shurflo Folding Faucet

- **Polished chrome w/ compression valve**
- 1/2" NPS fitting
- Height: 6-3/4", Width:3-1/2"

SHR 1330208CP

Shurflo Deck Tap

- **Trinidad series**
- **Polished chrome**
- **ceramic disc valve.**
- H: 2-7/8" x D: 4-3/8"

SHR 1330211CP

Shurflo Single Lever Pull-Out Galley Mixer

- Pacifica series
- **Polished chrome**
- **Ceramic disc valve**
- H: 7-1/2" x D: 9-1/4"

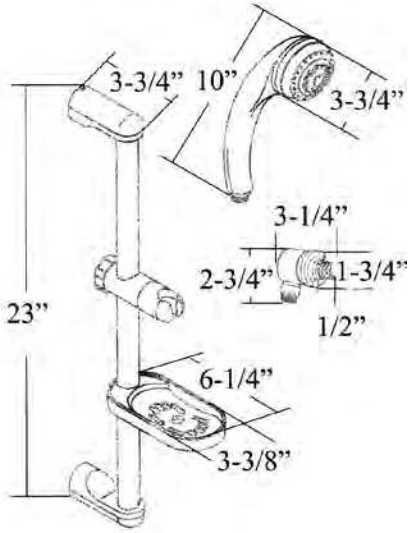
SHR 1320003CP

Shurflo Single Lever Shower Mixer

- Stasis series
- Polished chrome, ceramic
- disc valve.

SHR 134-0132CP

Shurflo Chrome Shower & Slide Bar



Polished chrome with 8 function hand-held sprayer, 90° solid brass elbow, 6' stainless steel hose, soap tray **and a 1/4-turn cam lock bracket.**

SHR 1350000CP

Shurflo Head Shower Combo

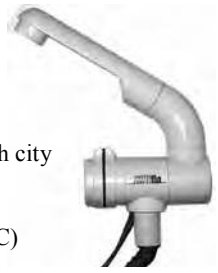
- Trinidad series
- Polished chrome
- Ceramic disc valve

SHR 1350204CW Complete

Parts:

SHR 1300212CP Bulkhead bracket

Shurflo Single Operation Faucet



- **Single operation faucet has a smooth,** easy motion
- High impact ABS construction
- Compatible with all shurflo pumps
- Rotates 360° in three directions
- Adjustable flow rate allows operation with city or pump systems
- **Operating pressure up to 87 PSI**
- Operating temperatures up to 176°F (80°C)

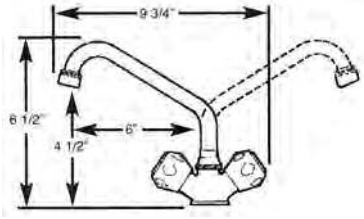
SHR 9400910

Shurflo Built-In Soap Dispenser

Pacifica series. Polished chrome.

SHR 1300011CP

Scandvik One Hole Galley Mixer

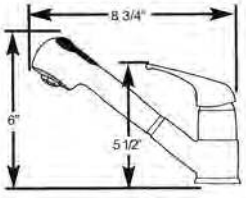


Heavy chrome plated brass one hole **sink mixer with swivel tube spout.**

- 1/2" MPT fittings

SCA 10422

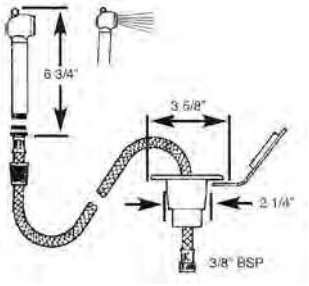
Scandvik Galley Mixer w/ Sprayer



- **Chrome plated brass.**
- Thread type: 3/8" BSP to 1/2" NPT adapters included.
- Basin mixer with a pull out sprayer. Push button spray pattern adjustment located on sprayer handle

SCA 10880

Scandvik Recessed Shower



- Plastic and chromed brass sprayer with 10' nylon hose
- **Mounting hole: 2-1/4"**
- Soft caps snug fit provides a water tight seal

SCA 10275 White

Scandvik Chrome Flexible Hose

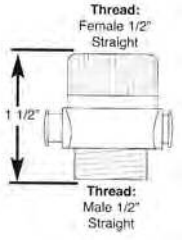
- 5' reinforced chrome flex with a chrome **spiral wrap**
- **1/2"NPS-male - 1/2"NPS-female.**

SCA 10271

Scandvik Water Conservation Valve

- **Chrome plated brass**
- **Fits between the hose and straight shower handles**

SCA 10895



Shurflo Shut-Off Valve

- **Polished chrome water interrupt switch**
- **1/2"NPS-male to 1/2"NPS-female.**

SHR 131-0013-CP

Scandvik Adjustable Rail Holder

- Chrome plated brass with plastic end fittings
- **21" of vertical adjustment**
- **Fits elbow handles**

SCA 10006

Scandvik Bulkhead Swivel Shower Holder

- **Chrome plated brass**
- **Fits elbow shower handles**
- **Single screw installation**

SCA 10650

Heatercraft Showers

This flush mount shower can be plumbed into the on-board water system or **plumbed into the engine's raw water open** cooling system. Spray head with water **conservation button. Comes with a 3/8" x 10' hose and a wing nut swivel 1/2-14 NPT** x 3/8" barb fitting. (pump not included)

- 2 year warranty
- 6.25" H x 10.25" W x 4" D

HCM 302-S-B	White-enclosure/chrome spray head, with On/Off power switch
HCM 303-S-B	White-enclosure/chrome spray head, no power switch
HCM 403-SBW	White enclosure/plastic spray head, no power switch

Heatercraft Aquatik Shower System

Designed to be hooked up to your engine or an on-board water system. Comes complete with 9' spray hose and five position chromed spray head. Hot and cold **water hoses and engine hook-up** fittings are included. Requires a **1.4 GPM demand water pressure pump (not** included).

- **Tap colour - gloss white**
- 5 position spray head
- 2 year warranty
- Flush mount H: 3.0" x W: 8.0" x D: 3.53"

HCM 101SC-SPECIAL

Parts:

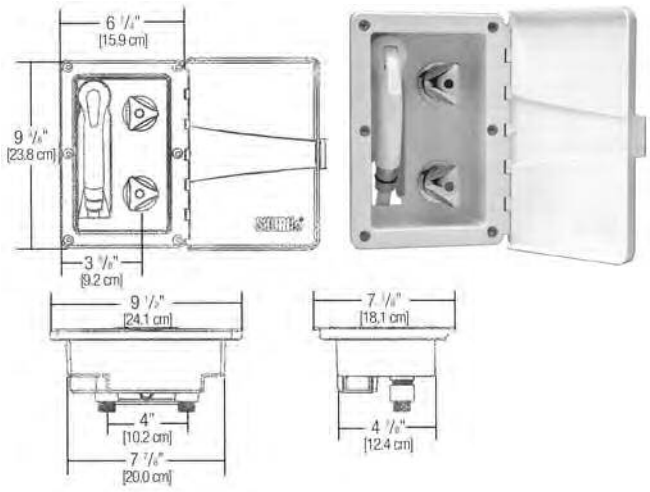
HCM S-106	6' cold water hose with fitting
HCM S-107	6' hot water hose with fitting
HCM S-108	100-S 15' grey pump hose
HCM S-109	100-S 9' spray hose
HCM S-204	Shower head only

ITC Exterior Shower

- **Clean, arctic white components**
- **Latching door**
- **Impact & temperature resistant**
- **Paintable & UV stable housing**
- **5' CSA approved hose**
- **Stainless steel hinge pin**
- **Anti-siphon vacuum breaker**
- 10.375" W x 5.875" H x 3.25" D

ITC 97022-A-D

Shurflo Transom Shower



Two handle hot/cold taps, trigger sprayer/shower head with a 6' hose all enclosed in a white ABS plastic, recessed casing. **Installation hardware included.**

SHR 136-0203-CW

SSI Stowaway Shower

Made of durable UV-resistant white ABS **plastic for exterior as well as interior installation where an existing pressurized** water system can be extended.

- 12-1/4" L x 7-1/4" H x 3-1/2" D

SSI 48500000 Shower, White

Parts:

SSI 48503100 120" hose

SSI Cold Water Washdown

Compact recessed panel conceals a water hose hook-up for deck washdowns. Made of durable white UV-resistant ABS plastic. Chrome plated brass faucet. Built-in switch automatically shuts down pump when door is **closed.**

- 8-1/2" H x 7-1/4" W x 3-1/2" D

SSI 48750000S With switch

SSI Compact Stowaway Shower

Made of durable UV-resistant white ABS plastic for exterior as well as **interior installation where an existing** pressurized water system can be **extended.**

- 10-1/4" L x 7-3/4" H x 4-1/4" D

SSI 48600000 Shower, White

Parts:

SSI 48503100 120" hose

Star brite Aqua Clean Water Conditioner

- **Cleans and deodorizes fresh water holding** tanks and supply systems
- **Excellent for use after storage or winterization**
- **Flushes out scale and sediment**
- Use periodically to prevent foul taste and **odours**
- **One gallon of Aqua Clean treats 100 gallons of water**

STA 32300 Gallon

Star brite Water Conditioner

- **Prevents potable water from picking up smells or tastes from water tank walls and pipes**
- **Keeps water tasting and smelling fresh for up to** one year
- **Nontoxic**
- **One teaspoon treats 100 gallons of water**

STA 91504 4 oz

Camco TastePURE Fresh Tabs

Clean, deodorize and de winterize your entire fresh water system the easy way. Use for major cleaning of the fresh water tank and system before re-activating **for use.**

- One tablet per 15 gallons of tank capacity

CAM 40193

Camco TastePURE RV & Marine Water Filter

Improve the taste and smell of your drinking water for up to 120 days. Filters down to 150 microns.

CAM 40645

Camco TastePURE KDF/Carbon Water Filter

Larger capacity filter lasts an entire season. Greatly **reduces bad taste, odours, chlorine and sediment in** drinking water with a 100 micron fibre filter. Durable in-line, exterior mount filter has a wider body to increase flow. Includes flexible hose protector to minimize kinking that impedes water flow.

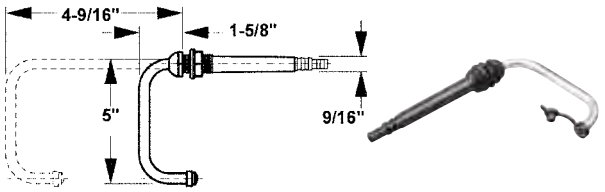
CAM 40043

Camco TastePURE CX90 Ceramic Water Filter

Filters down to .9 microns to provide protection against foul tastes, odours, sediment and chlorine. KDF/carbon core helps protect against bacteria. Filter is renewable; cleans with an abrasive pad (included). Housing made from unbreakable UV stabilized polycarbonate resin. Wrenches included for easy **cleaning or changing of the cartridge.**

CAM 40651 Complete unit
CAM 40671 Replacement cartridge

Sea-Dog Swivelling Telescopic Faucet



Ideal for use with foot pumps. Outlet swivels through 360° and can be pushed down when not in use. 5" extension. Constructed of aluminum and plastic.

- Hose size: 3/8" - 1/2"

SED 517080

Sea-Dog Galley Foot Pump

Leaves both hands free while you pump

- **3 GPM output**
- **Constructed of molded delrin**
- Hose size: 1/2"

SED 517060-3 Pump complete
SED 517065-1 Repair kit

ITT Jabsco Electric Pump & Faucet

The economical answer to running water at the turn of a switch. Quiet operation. Compact, easy to install. **12V 1.6 amp. Pumps 1 GPM at 5 PSI 3/8" hose connection. Pump is not self priming and must be mounted below tank level.**

ITT 42530-0000 Complete kit pump and faucet
ITT 42510-0000 Pump only
ITT 42520-0000 Faucet only

ITT Jabsco Mini Pressure Pump

Water system auto pump, 12V model, fuse 4 amp.

- 1.1 GPM (4.3 LPM) open flow output
- **Self-priming up to 5'**
- **Dual diaphragm operation**
- **Thermal overload protection** automatically stops motor should it **overheat due to overload, with auto re-start feature**
- Diaphragm design allows dry running
- **Pressure switch cut-in 22 PSI, cut-out 35 PSI**
- **Ports are for 3/8" hose**

ITT 42630-2900

ITT Jabsco Water System Pump

- 12 volt, 3.5 GPH
- Four piston system, 40 PSI pump
- Self priming & can be run dry
- **Snap-in swivel ports**
- **Serves up to four outlets**
- **9 amp draw**

ITT 32600-0092

ITT Jabsco Water System Pump

Automatic operation when faucet is opened and closed. Snap in 360° **swivel ports included (1/2" barb &** 1/2" thread). Permanent magnet, ball bearing, totally enclosed motor. Three chamber diaphragm design pump is self-priming up to 6 feet and can run dry without damage.

- **For 3+ outlets**
- W: 4.24" x H: 4.75" x L: 9"

ITT 31295-0092 1.9 GPM, 3.5 amps @ 25 PSI
ITT 31395-0092 2.9 GPM, 4.5 amps @ 50 PSI
ITT 31395-0392 2.9 GPM, 4.4 amps @ 40 PSI

Parts:
ITT 18916-0040 Pressure switch kit (40 PSI)

ITT Jabsco Sensor Max VSD Constant Pressure Water System Pumps

- Variable speed control/electronically controlled variable flow/ eliminates **accumulator tank**
- **Unique constant water pressure - no pressure switch/solid state pressure sensor**
- Controls pressure by changing **motor speed/speeds up as demand increases**
- Thermal overload protection automatically stops motor should **it overheat due to overload, w/ auto re-start**
- Self-priming up to 10' (3 m) / runs dry
- Automatically adjusts to 12V or 24V power input

Part #	GPH	PSI	Max. Amps
ITT 31750-0000	3.7	25	8
ITT 32755-0000	5	25	12

Parts:
ITT 18911-7030 Check valve assembly (31750)
ITT 18912-3040 Diaphragm assembly (31750)

ITT Jabsco Water Systems Pumps

These multi outlet pressure pumps serve up to 4 or more 1/2" outlets at any one time. Snap fit ports (included) simplify **both installation and removal for routine service.**

- Self priming up to 10' (3 m)
- **4 piston diaphragm**
- **Thermal overload protection**
- Diaphragm design allows extended dry running
- **Complies with USCG 183.410 and ISO 8846 marine ignition protection**

Part #	GPM	Volts	PSI	Amp Draw @ 10 PSI
ITT 31620-0092	4.3	12	40	5.5
ITT 31620-0094	4.3	24	40	2.7

ITT Jabsco Water System Pumps

The high pressure capability of the **new Par-Max Series 7.0 GPM water** pressure pump provides exceptional flow and consistent water pressure to easily **handle the demand of multiple outlets at one time. When onboard** appliances are activated, the built in bypass design re-circulates back pressure into the pump to reduce cycling resulting in a quieter and smoother flow.

- 7 GPM open flow rate
- Self-priming (10') / runs dry
- **Silent operation**
- **Low amp draw**
- **Includes a Pumpgard strainer & 35 amp breaker**
- Capable of pumping water up to 70°C (160°F)

ITT 52600-0092 12V, 35 Amp, 60 PSI
ITT 52600-0292 12V, 30 Amp, 40 PSI

ITT Jabsco Water Pump Controller

Variable speed drive converts everyday pumps into sensor controlled pumps that automatically adjust in real time to changes in pressure. As less flow is required the pump **motor slows down to provide a smooth and pulsation free performance.**

- **Eliminates temperature variation**
- **Eliminates the need for an accumulator tank**
- **Works on most pumps rated 3-12 amps**
- Easy to install-hose and fittings included
- **Runs on 12 or 24V input**

ITT 31777-0000

ITT Jabsco Ultra Max Automatic Multi-Outlet Water System

This "all-in-one" system features a **Par-Max 4 pump, inlet strainer and** accumulator tank, all neatly assembled with snap-in port fittings on a corrosion **proof base.**

- **Ideal for up to four outlets**
- Self-priming to 5' (1.5 m) with run dry ability
- Smooth even flow of 3.4 GPM (14.4 LPM)
- **Thermal overload protection**
- **Pressure switch cut-in 20 PSI cut-out 40 PSI**
- **Port adapter for 1/2" ID hose barb and** 1/2"-14 pipe thread fittings
- **Accumulator tank is pre-pressurized to 20 PSI**

ITT 59451-1012 12V system

Parts
ITT 18916-0040 Pressure switch
ITT 30573-0000 Accumulator tank

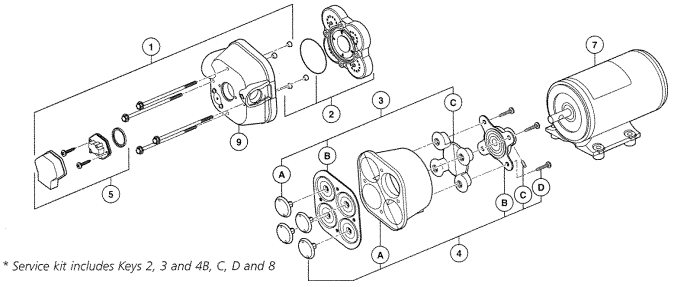
ITT Jabsco Automatic Water System Pumps

Belt drive and flexible mounts reduce noise. In addition to fresh water systems these pumps can be used in salt water systems to provide deck wash-down, galley rinse water and anchor wash-down.

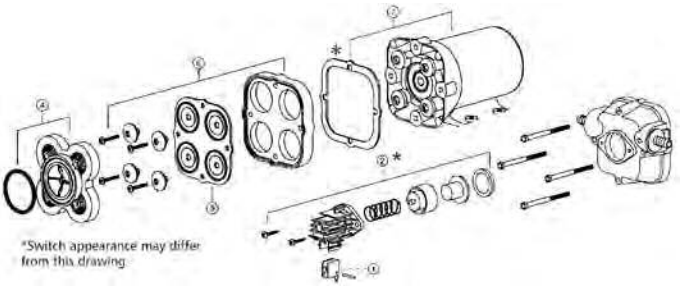
- Self-priming up to 5' (1.5m) vertical lift
- Diaphragm design allows dry running & quiet operation
- Built-in discharge check valve
- **Pressure switch cut-in 20 PSI, cut-out 40 PSI**
- Built-in hydraulic pulsation dampener
- **Ports are for 1/2" ID hose**

Part #	Volts	Amps	GPM
ITT 36950-2000	12	6	3.0
ITT 36800-1000	12	6	3.3

JABSCO



* Service kit includes Keys 2, 3 and 4B, C, D and 8

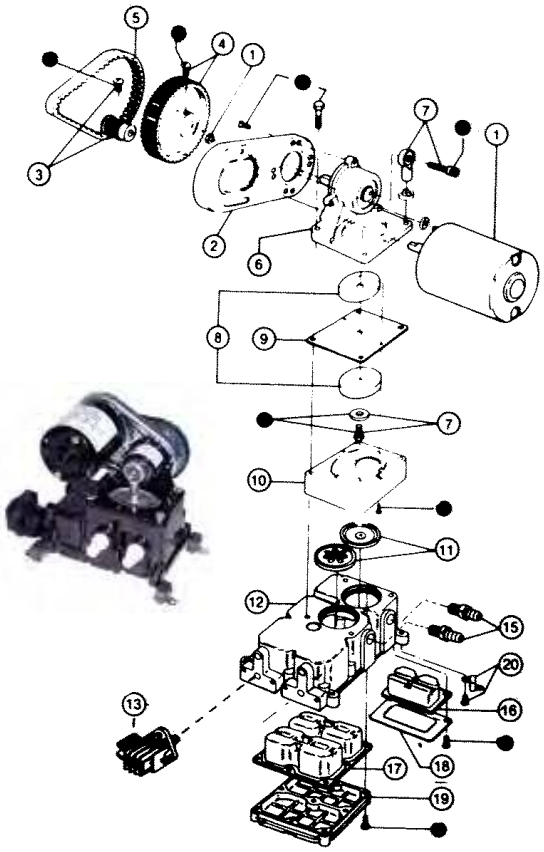


PAR-MAX 31XXX Series Parts List							
Key	**Description**	**Qty**	**Avail.**	**31595 Series**	**31600 Series**	**31620 Series**	**31630 Series**
2	Valve Kit	1	S	**ITT 18911-7030**	**ITT 18911-7030**	**ITT 18911-7030**	**ITT 18911-7030**
3	Diaphragm Kit	1	S	**ITT 18912-3040**	**ITT 18912-3040**	**ITT 18912-3040**	**ITT 18912-3040**
5	Pressure Switch 0092	1	S	**ITT 37121-0010**	**ITT 37121-0010**	**ITT 37121-0010**	**ITT 37121-0010**
5	Pressure Switch 0094	1	S	**ITT 37121-0010**	**ITT 37121-0010**	**ITT 37121-0010**	**ITT 37121-0010**
5	Pressure Switch 0292	1	S	**ITT 44814-1000**	**ITT 44814-1000**	**ITT 44814-1000**	**ITT 44814-1000**
5	Pressure Switch 0294	1	S	**ITT 44814-1000**	**ITT 44814-1000**	**ITT 44814-1000**	**ITT 44814-1000**
6*	Service Kit	1	R	**-**	**-**	**ITT 18920-9043**	**ITT 18920-9043**
S = Stocked Item R = Request Item							

PAR-MAX 30XXX Series Parts List (Discontinued Models)							
Key	**Description**	**Qty**	**Avail.**	**30600 Series**	**30620 Series**	**30710 Series**	**30720 Series**
1	Micro Switch	1	S	**ITT 18753-0141**	**ITT 18753-0141**	**ITT 18753-0141**	**ITT 18753-0141**
2	Pressure Switch	1	S	**ITT 37121-0010**	**-**	**-**	**-**
2	Low Pressure Switch	1	S	**ITT 44814-1000**	**-**	**-**	**-**
4	Valve Kit	1	S	**ITT 30613-1001**	**ITT 30613-1001**	**ITT 30613-1001**	**ITT 30613-1001**
5	Diaphragm Kit	1	S	**ITT 30617-1000**	**ITT 30617-1000**	**ITT 30617-1000**	**ITT 30617-1000**
6	Plate/Piston Kit	1	S	**ITT 30682-1000**	**ITT 30682-1000**	**ITT 30682-1000**	**ITT 30682-1000**
S = Stocked Item R = Request Item							

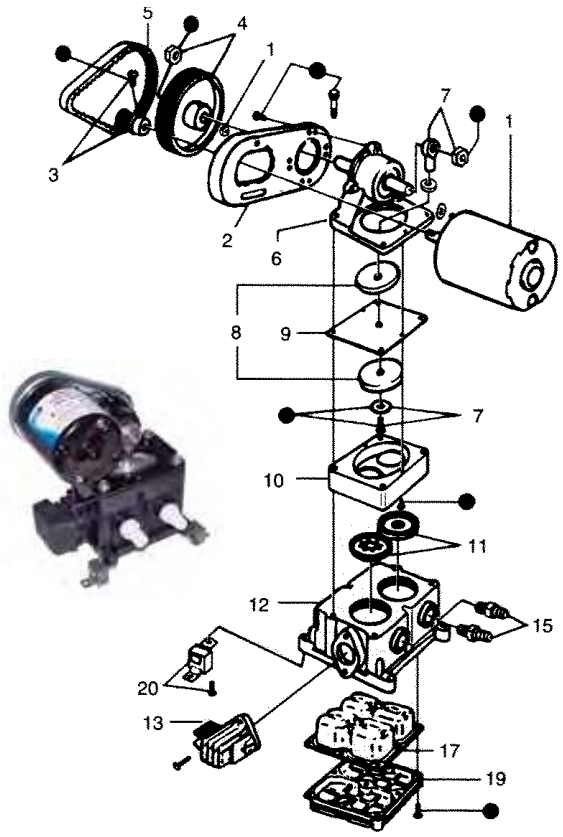
ITT Jabsco

ITT 36800 Series Water Pump Parts				
Key	**Description**	**Part #**	**Qty**	**Stocked**
1	Motor 12V	**ITT 30200-0000**	1	S
1	Motor 24V	**ITT 30200-0010**	1	S
2	Motor Mount	**ITT 34628-0000**	1	R
3	Small Pulley	**ITT 37169-0000**	1	S
4	Large Pulley	**ITT 37170-0001**	1	R
5	Belt	**ITT 30021-0000**	1	S
6	Jack Shaft Assembly	**ITT 35506-0001**	1	R
7	Connecting Rod Assembly	**ITT 37173-0001**	1	S
8	Diaphragm Plate	**ITT 35503-0000**	2	R
9	Diaphragm	**ITT 30015-0000**	1	S
10	Retainer	**ITT 35497-0000**	1	R
11	Valve Set	**ITT 30004-0000**	1 Set	S
12	Base Assembly	**ITT 35625-1100**	1	R
13	Pressure Switch	**ITT 37121-0010**	1	S
15	Ports	**ITT 37176-0000**	1 Set	S
16	Small Pulsation Dampener	**ITT 37177-0000**	1	S
17	Pulsation Dampener	**ITT 37178-0000**	1	S
18	Small Bottom Plate	**ITT 35628-0000**	1	R
19	Bottom Plate	**ITT 35623-0000**	-	S
20	Vibration Pad Kit	**ITT 37180-0000**	-	S
S = Stocked Item R = Request Item				



ITT Jabsco

ITT 36950 Series Water Pump Parts				
Key	**Description**	**Part #**	**Qty**	**Stocked**
1	Motor 12V	**ITT 30200-0000**	1	S
1	Motor 24V	**ITT 30200-0010**	1	S
2	Motor Mount	**ITT 34628-0000**	1	R
3	Small Pulley	**ITT 37169-0000**	1	S
5	Belt	**ITT 30022-0000**	1	S
7	Connecting Rod Assy.	**ITT 37173-0001**	1	S
8	Diaphragm Plate	**ITT 35503-0000***	2	S
9	Diaphragm	**ITT 30015-0000**	1	S
10	Retainer	**ITT 35497-0000**	1	R
11	Valve Set	**ITT 30004-0000**	1 Set	S
12	Base Assembly	**ITT 44114-1000**	1	R
13	Pressure Switch	**ITT 37121-0010**	1	S
15	Ports	**ITT 37176-0000**	1 Set	S
17	Pulsation Dampener	**ITT 44127-1000**	1	S
19	Bottom Plate	**ITT 35686-0000**	1	R
20	Vibration Pad Kit	**ITT 37180-0000**	-	S
S = Stocked Item R = Request Item				



Shurflo 'Aqua King' Fresh Water Pumps

These self-priming pumps lift water 8' and provide smooth flow and quiet performance. Features a built-in check valve rated at 200 PSI to prevent pressurized water entry into tank, and adjustable sealed switches with a dampening chamber to smooth out pressure spikes and significantly reduce cycling. Pumps have automatic **thermal overload protection to shut off the pump motor in the event of overheating. All models include stainles** steel hardware and can run dry without damage. The ultra-quiet Silencer pump features a unique sound-absorbing base plate and internal components that greatly reduce noise and vibration. 3 year warranty.

Part #	Flow	Volts	Max Draw	Shut Off	Dimensions
SHR 4901-4212	4.0 GPM	12	10 amp	45 PSI	7.2" x 5.4" x 5.3"
SHR 3901-0216	3.0 GPM	12	6.0 amp	55 PSI	7.3" x 5.0" x 4.6"

Shurflo 'Extreme' Series Smart Sensor Pumps

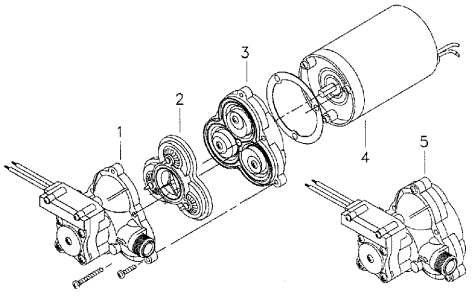
A micro-controller based variable speed pump silently delivering over 5.0 gallons per minute and pressure up to 50 / 60 PSI. SHURflo's Smart Sensor precisely monitors your system's water pressure and adjusts the motor's **speed, thus eliminating the need for a pressure switch. The 4 chamber design** incorporates large inlet and outlet passages to maximize water flow and efficiency. Corrosion resistant coated seamless motor shell and a protected **electronic package.**
3 year warranty

Part #	Flow	Volts	Max Draw	Shut Off	Dimensions
SHR 4901-0211	4.0 GPM	12	9 amps	50 PSI	7.2" x 5.4" x 5.3"
SHR 5901-0211	5.0 GPM	12	10 amps	60 PSI	9.25" x 5" x 5.5"
SHR 5901-1211	5.0 GPM	24	5 amps	60 PSI	9.25" x 5" x 5.5"

	Parts 5900 Series
SHR 94-069-00	(1) Switch
SHR 94-030-01	(2) Valve Assembly
SHR 94-030-02	(3) Drive Assembly

Shurflo Pump Parts

	Parts 2088 Series
SHR 94-236-03 / 94-236-14	(1) Pump head repair kit*
SHR 94-238-03 / 94-238-04	(2) Lower housing
SHR 94-232-06	(5) Valve assembly
SHR 94-237-00	(6) Check valve
SHR 94-231-10	(7) Switch & upper housing
*Pump repair kit includes Lower Housing, Drive Assembly & Diaphragm	



Shurflo Pump Fittings (Nylon)	
Elbow Fittings:	
SHR 244-3926	Wing nut swivel 1/2"-14 NPT (F) x 1/2" barb
SHR 244-3946	Wing nut swivel 1/2"-14 NPT (F) x 3/4" barb
SHR 94-615-00	(2) 1/2" barb elbow
SHR 94-615-01	(2) 1/2" barb straight
SHR 94-615-04	(2) 3/4" barb straight
Straight Fittings:	
SHR 244-2926	Wing nut swivel 1/2"-14 NPT (F) x 1/2" barb
SHR 244-2936	Wing nut swivel 1/2"-14 NPT (F) x 5/8" barb
SHR 244-2946	Wing nut swivel 1/2"-14 NPT (F) x 3/4" barb

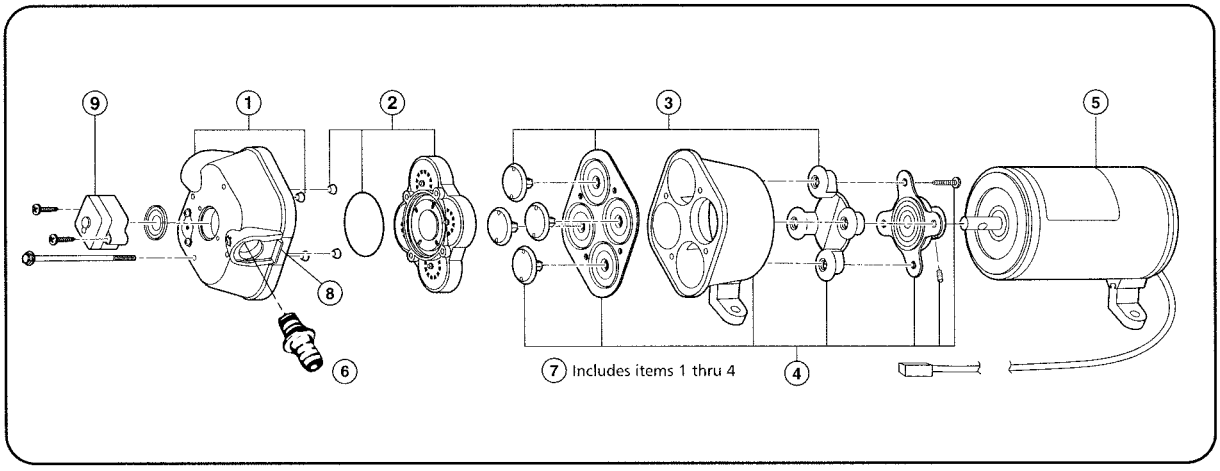
Parts 3000 Series

SHR 94-120-00 Impeller kit for series 3000

Parts 490X Series

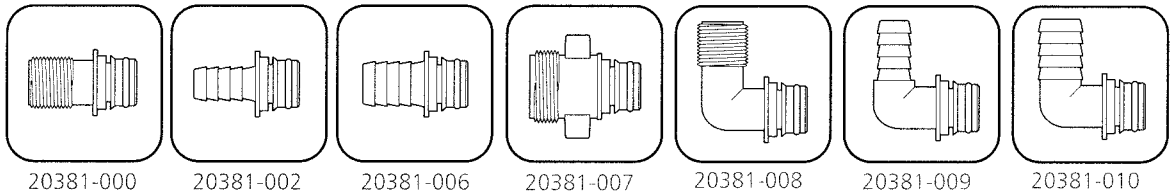
SHR 94-668-00 Pressure switch

Flojet Parts and Accessories



Model	(1) Upper Housing	(2) Valve Assembly	(3) Diaphragm	(4) Lower Housing	(8) Side Clips	(9) Pressure Switch	Service Kit
FLJ 2840-100A	N/A	N/A	N/A	N/A	N/A	N/A	FLJ 20409-043
FLJ 4105-501A	FLJ 20404-005	FLJ 20407-010*	FLJ 20403-050	N/A	N/A	N/A	FLJ 20409-054
FLJ 4125-502A	FLJ 20404-005	FLJ 20407-010*	FLJ 20403-050	FLJ 20419-003*	FLJ 20408-000	N/A	FLJ 20409-054
FLJ 4125-114A	FLJ 20404-005	FLJ 20407-010*	FLJ 20403-050	FLJ 20419-003*	FLJ 20408-000	N/A	FLJ 20409-054
FLJ R4125-504A	FLJ 20404-005	FLJ 20407-010*	FLJ 20403-050	FLJ 20419-003*	FLJ 20408-000	N/A	FLJ 20409-054
FLJ 4305-500A	FLJ 20404-008	FLJ 20407-030	FLJ 20403-040	FLJ 20419-001*	FLJ 20408-000	FLJ 2090-104	FLJ 20409-043
FLJ 4325-043A	FLJ 20404-003	FLJ 20407-030	FLJ 20403-040	N/A	FLJ 20408-000	FLJ 2090-118	FLJ 20409-043
FLJ 4325-143L	FLJ 20404-003	FLJ 20407-030	FLJ 20403-040	FLJ 20419-002	FLJ 20408-000	FLJ 2090-118	FLJ 20409-043
FLJ R4325-343A	FLJ 20404-003	FLJ 20407-030	FLJ 20403-040	FLJ 20419-002	FLJ 20408-000	FLJ 2090-118	FLJ 20409-043
FLJ 4325-443A	FLJ 20404-003	FLJ 20407-030	FLJ 20403-040	FLJ 20419-002	FLJ 20408-000	FLJ 2090-118	FLJ 20409-043
FLJ 4405-143A	FLJ 20404-002	FLJ 20407-030	FLJ 20403-040	FLJ 20419-001*	FLJ 20408-000	FLJ 2090-104	FLJ 20409-043

*Request Item



Flojet Hose Barb Fittings:

FLJ 20381-000 1/2" male Quest ports

FLJ 20381-002 1/2" hose barb ports
FLJ 20381-003 5/8" Hose barb ports
FLJ 20381-006 3/4" Hose barb ports
FLJ 20381-007 Male garden hose ports
FLJ 20381-008 1/2" x 90° male Quest ports
FLJ 20381-009 1/2" x 90° hose barb ports
FLJ 20381-010 3/4" x 90° hose barb ports

Flojet Additional Parts:

FLJ 2090-104 Micro switch for #4405-143A & 4305-5004
FLJ 2090-118 Micro switch for #4325-143
FLJ 2095-105 30 PSI pressure switch
FLJ 20717-100A Grommet feet for Quad II pumps, (4/pkg)
FLJ 20446-000 Washdown pressure nozzle

Flojet VSD Sensor Constant Pressure Water System Pumps

- **Variable speed control**
- **Solid state pressure sensor**
- Nearly silent operation, no cycling
- Controls pressure by changing motor speed
- Self-priming, runs dry
- **No accumulator tank needed**
- CSA Listed / EN ISO 8846 Marine / CE Certified
- **15 Amp fuse**

Part #	Volts	Amp Draw	Flow GPM	Sensor Pressure	Cut-Out Pressure	Dimensions	Weight Lbs
FLJ R4515-743A	12/24	8	3.7	25	35	9.0" L x 6.3" W x 3.75" H	4.3
FLJ R4525-743A	12/24	12	4.5	35	40	10.3" L x 6.3" W x 3.75" H	6.3

Flojet 4405 Series Water System Pump with Bypass

- Delivers smooth, steady water flow **from 1 to 3 GPM without the need for an accumulator tank**
- Special internal bypass feature **eliminates pulsating water and pressure switch chatter**
- Designed for up to 5 fixtures
- Runs dry without harm to the pump
- Includes plug-in ports for easy installation
- Two 1/2" (13mm) Quest ports & two 1/2" (13mm) hose barb **ports**
- 3.75" H x 8.2" L x 6.3" W
- **Shipping weight 3.9 lbs**
- **Use a 10 amp fuse**

Part #	Volts	Open Flow GPM	Pressure On/Off	Amps@ 10 PSI
FLJ 4405-143A	12	3.3	35 PSI	3.9

Flojet 4305 Series Water System Pump

All of the specifications and features of the 4405 series above but without the bypass feature.

- **This pump should be used with an accumulator tank.**

FLJ 4305-500A

Flojet Automatic Single Fixture Demand Pump

Compact auto demand water system pump can supply up to 3 fixtures, one or two at a time. Built in pressure switch automatically starts and stops **pump when faucet is opened and closed. Pump is self priming, so it can be mounted above the tank. Features** a built in thermal protector, and is safe to run dry for extended **periods.**

- **Pressure switch ON @ 22 PSI, OFF at 35 PSI**
- **Draws 1.9 amp @ 10 PSI.**

Part #	Volts	Open Flow	Pressure On/Off	Amps Draw
FLJ LF12-22-02A	12	1.1 GPM	22/35 PSI	1.9

Flojet 2840 Series Water Pressure System

Designed to provide steady water pressure and generous water flow. The pump is fully **automatic with a built-in switch and check** valve to maintain system pressure and will supply smooth water flow from a trickle to full flow. Typically used where high volume flow is required for multiple fixtures and **amenities. (i.e. washing machine, dishwasher, ice maker** and water purifier.)

- **Complete with accumulator tank**
- **12V, 10 Amp draw**
- Max. flow 4.5 GPM
- **3/4" inlet, 1/2" outlet**
- H: 7-1/2" x W: 11-1/4" x L: 12-7/8"

FLJ 2840-100A

Headhunter Mach 5 Water Pressure System

An integrated control system provides instant dry run protection, **and allows the pump to be used with or without a pressure accumulator tank. The Mach 5 incorporates a state-of-the-art multi-**stage impeller system driven by a super-efficient water-cooled motor to generate up to 20 gallons per minute, instantaneously, on demand, and in virtual silence. An easy to read control panel on **top of the pump provides instant visible status information as well** as reset capability. Constructed of corrosion proof UL94 HB glass reinforced polypropylene.

- **Suction/discharge ports: 1" MPT**
- Weight: 23 lbs. (10.4 kg)
- **Maximum shutoff: 67 PSI**
- W: 8-5/8" x H: 13-1/4" x L: 18"

HED M5-115 115 Volt
HED M5-230/60 230 Volt

Part #	Voltage	Amps	Discharge Pressure PSI		
			30	40	50
			Flow in GPM		
HED M5-115	115V/60hz	8	16	12	8
HED M5-230/60	230V/60hz	4	16	12	8

Headhunter Stingray Water Pressure System

- Designed specifically for continuous duty
- For saltwater toilet flushing, **live bait wells, aquaculture, and** anywhere else high flow/ pressure **salt or fresh water is needed**
- **Featuring a multi-stage impeller** system driven by a quiet totally **enclosed fan motor**
- Pump control turns the pump on when system pressure drops to 40 psi, and off when the pump reaches a no flow condition, **allowing the pump to operate with or without a pressure** accumulator tank as well as providing dry-run protection
- An easy to view control panel with L.E.D. diagnostics
- Dry run visual alarm
- **Delivers over 20 GPM and up to 67 PSI**
- H: 12-7/8" x W: 8-1/2" x L: 16-15/16"
- **Weight: 24 lbs**

HED SR115

Groco Paragon Automatic Water Pressure System Service Kits

GRO PJR-REG
Service kit for the Groco Junior series pump

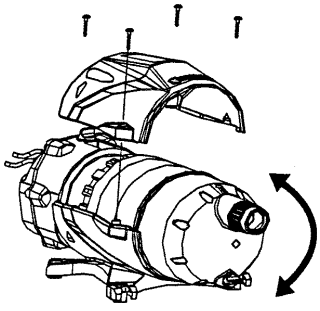
GRO PSR-REG
Service kit for the Groco Senior series pump

Headhunter XCaliber Water Pressure System

Advanced DC motor and control technology with a proven self-**priming centrifugal pump. A built in microprocessor interfaced with a rugged ceramic temperature and pressure sensor provides variable** speed operation, prevents dry running **damage and ensures complete electrical protection. Two models to chose from, the Freshwater pump is built using 304 stainless steel components and the Saltwater which uses 316 stainless steel.**

HED XR-124 Freshwater pump
HED XRS-124 Saltwater pump

Features:



- **Operates on 12VDC or 24VDC**
- **Adjustable power setting**
- **Adjustable cut in pressure**
- **Over voltage protection**
- Anti-flooding protection
- Dry run protection
- **Under voltage protection**
- **Over current protection**
- **Soft start/stop**
- **Variable speed**
- **10 GPM**
- **67 PSI**

Innovative Rotating Bracket:
Loosen the top bracket and rotate the cylindrical pump body within the mounting bracket the to the horizontal, vertical, or even angled planes while maintaining inlet and discharge piping alignment. A unique interlocking mechanism within the mounting bracket secures the pump body to prevent any movement within the two halves of the bracket.

Groco Paragon Pressure Storage Tanks

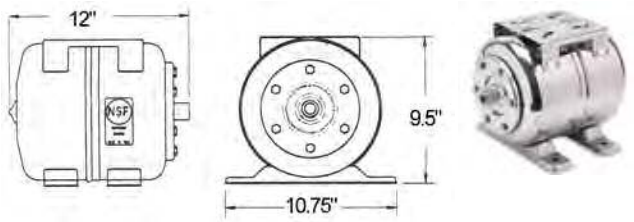
PST-1 & 2

PST-3A, 4 & 5

A pneumatic pressure charge, matched to the pumps cut on pressure. Prevents water logging by separating the air charge from system water pressure with a rubber **bladder. The result is smooth** pressure delivery, more even **temperature mix in showers, and** reduced pump cycling. Tanks may be mounted in any position, and anywhere in the cold water plumbing after the pump. PST tanks may be used **for fresh or salt water. Mount hardware is included.**

Part #	Capacity	Dia	Length	Inlet	Mount
GRO PST-1	1.00 gal	8"	12"	3/4"	Strap
GRO PST-2	1.25 gal	12"	14"	3/4"	Strap
GRO PST-3A	2.70 gal	15.5"	19.25"	1"	Stand
GRO PST-4	4.59 gal	15"	24"	1"	Stand
GRO PST-5	6.40 gal	15"	32"	1"	Stand

Shurflo Stainless Steel Accumulator Tank



- **Made from stainless steel**
- Pre-charged to 20 PSI, (Max. 100 PSI)
- **Male 3/4" NPT port**

SHR 3400-002 2 gallon

Shurflo Accumulator Tank

The Shurflo accumulator tank smooths water faucet pulses and reduces pump cycling to **keep water line pressure and pump motors** cool. The Shurflo accumulator incorporates a nylon housing butyl rubber diaphragm to maintain pressure for years. Fittings are included.

- 24 oz nylon tank
- Reduces pump cycling
- **Smooths water faucet pulses**
- **Pre-pressurized to 20 PSI with built-in diaphragm**
- 1 year warranty

SHR 182-200

ITT Jabsco Mini Accumulator Tank

The mini accumulator tank smooths water flow and reduces on/off switch cycling of the pump by lessening the variation in pressure and flow between the pump and the system discharge points. The even flow of water gives better control of hot water temperature with systems **using instant water heaters.**

- Smooth flow; reduced cycling
- Compact design for smaller systems
- Quick-connect fittings included
- Fluid capacity of 21.5 oz. (0.6 litres)
- Pre-charged to 10 PSI (0.7 bar)
- System pressure up to 125 PSI (8.6 bar)
- 4-3/8" D x 4-3/4" W x 7" H

ITT 30573-0003

ITT Jabsco Accumulator Tank

This accumulator tank offers you a quieter water system and better **temperature control. It smooths faucet** and shower flow by eliminating **pulsations and water hammer and it also increases pump life. The tank, which is** factory-pressurized to 20 PSI, can be fine-tuned to each system. A standard tire **valve is mounted at the top of the tank for adjusting pressure. It also** mounts easily in any position. Includes 1/2" snap-in barbed hose fittings.

- **Weight: 1.6 lbs**
- **Working volume: about 1 qt**
- **Maximum working pressure: 125 PSI**
- **Diameter 4-3/4" x height 13-1/4"**

ITT 30573-0000

Attwood Heavy Duty Manual Submersible Bilge Pumps

Designed to handle abusive conditions, such as sand, shrimp shells, fish scales and other bilge debris.

- Easy to install and maintain
- **Powerhead removes and secures with "Twist and Lock Tab" feature**
- **Uses 1-1/2" hose**
- Meets ABYC requirements

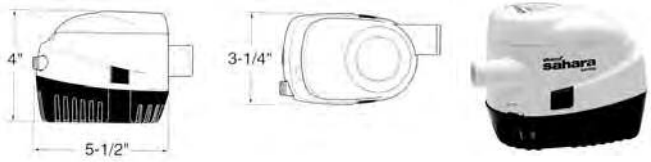
Part #	Output GPH	Max Head	Amp Draw
ATT 4030-4	1700	12'	6
ATT 4060-4	2000	17'	8

Attwood Heavy Duty Manual Submersible Bilge Pumps

- **Replaceable motor cores**
- **Water cooled motor**
- Double filter base
- 3/4" I.D. Hose

Part #	GPH	Amps	Outlet	H x Dia
ATT 4606-7	500	1.7	3/4"	3-5/8" x 2-3/4"
ATT 4608-7	800	3	3/4"	4-3/8" x 3-1/8"
ATT 4612-7	1200	3.5	1-1/8"	4-3/8" x 3-1/8"

Attwood Sahara Auto Bilge Pumps



- All-in-one pump and integral float switch
- Fast and easy installation
- Permanent magnet motor, non-mercury float switch
- **36" tinned copper 16 gauge lead wire**
- **Stainless steel shaft**

Part #	Volts	GPH	Amps	Outlet
ATT 4505-7	12	500	1.2	3/4"
ATT 4507-7	12	750	2.5	3/4"
ATT 4511-7	12	1100	3.4	1-1/8"

Attwood WaterBuster Cordless Pump

Excellent for use as a portable pump-out device for paddle boats, inflatables and kayaks. Convenient and safe, because it **needs no electrical cord - runs up to 5 hours** on three alkaline D batteries (not included).

- **Pumps up to 200 gallons per hour.**
- **42" hose with garden-hose adapter**
- **Lifts water to height of 40"**
- **6-3/8" high x 5-1/4" diameter**

Note: Not to be used as a permanent bilge pump

ATT 4140-4

Rule Submersible 360 GPH Bilge Pumps

RUL 24-35A has all the same features as the RUL 24 but also includes a #35A float switch.

- H: 3-1/2" x W: 2-3/8"

Part #	Volts	GPH	Amps	Outlet
RUL 24	12	360	2	3/4"
RUL 24-35A	Pump & #35A Float switch			3/4"
Parts:				
RUL 275	Replacement strainer base			

Rule Submersible 500 GPH Bilge Pumps

- H: 3-1/2" x W: 2-3/8"

Part #	Volts	GPH	Amps	Outlet
RUL 25-D	12	500	2	3/4"
RUL 26-D	24	500	2	3/4"
RUL 25-40A	25-D & 40A Plus float switch			3/4"
Parts:				
RUL 275	Replacement strainer base			

Rule Submersible 800 GPH Bilge Pumps

Two versions offered, round and the square which is designed to fit into deep "V" powerboat hulls and other normally **inaccessible areas.**

- 20-F: H: 4" x W: 2-7/8"
- 20-R: H: 3-3/4" x W: 2-3/8"

Part #	Volts	GPH	Amps	Outlet	Style
RUL 20-F	12	800	4	3/4"	Square
RUL 20-R	12	800	4	3/4"	Round
Parts:					
RUL 275	Round strainer base				
RUL 277	Square strainer base				

Rule Cartridge Bilge Pumps

Motor cartridges can be replaced, eliminating any plumbing work. Removal of the motor also **allows cleaning of the strainer and impeller area should the pump become clogged.**

Part #	Volts	GPH	Amps	Outlet
RUL 25-DC	12	500	7	3/4"
RUL 25-DR	Replacement cartridge			3/4"
RUL 20-RC	12	700	7	3/4"
RUL 20-RR	Replacement cartridge			3/4"
RUL 27-DC	12	1100	7	1-1/8"
RUL 27-DR	Replacement cartridge			1-1/8"

Rule Transom or Bulkhead Bracket

Suitable for the Rule 360, 500 and 1100 GPH **pumps.**

RUL 66

Pump not included

Rule Submersible 1000 GPH Pump

Designed to fit into deep "V" powerboat hulls and other normally inaccessible areas.

- **12V**
- **1000 GPM**
- **Outlet: 1-1/8"**
- H: 4" x W: 2-1/2"

RUL 20-A

Parts:

RUL 277 Square strainer base

Rule Submersible 1100 GPH Pump

Can be used as a livewell/baitwell re-circulating pump.

- **Outlet for 1-1/8" ID hose**
- H: 3-7/8"
- **12V, 5 amp**
- 1100 GPH

RUL 27-D

Parts:

RUL 275 Replacement strainer base

Rule Submersible 1500 GPH Bilge Pumps

High pumping capacity and reliability.

- Ht: 6" x W: 4-1/2"
- **Outlet for 1-1/8" ID hose**

Part #	Volts	GPH	Amps	Fuse
RUL 02	12	1500	4.8@12v	9 amp
RUL 03	24	1500	2.3@24v	4 amp
RUL 278	Replacement strainer base			

Rule Submersible 2000 GPH Pumps

- **Engineered to commercial standards**
- **Ignition protected**
- **Double insulated motor**
- Teflon seals
- **Anti-airlock feature**
- **5/16" stainless steel shaft**
- No burn out when run dry
- H: 6" x W: 4-1/4"
- **Outlet for 1-1/8" ID hose**

Part #	Volts	GPH	Amps	
RUL 09	12	2000	12	5 year warranty
RUL 10	12	2000	12	
RUL 11	32	2000	5	
RUL 12	24	2000	6	
Parts:				
RUL 278	Replacement strainer base			

Rule Submersible 3700 GPH Pumps

- Ball bearing, double insulated motor
- **Ignition protected**
- **5/16" stainless steel shaft**
- **Snap-on-Snap-off strainer base**
- H: 7-1/4" x W: 4-7/8"
- **Outlet for 1-1/2" I.D**

Part #	Volts	GPH	Amps	Fuse
RUL 14-A	12	3700	20@12V	25 amp
RUL 15-A	32	3700	7.5@36.3V	10 amp
RUL 16-A	24	3700	10.0@27.2V	15 amp
Parts:				
RUL 279	Replacement strainer base			

Rule Submersible 4000 GPH Pump

Designed for tougher applications, the 4000 GPH **pump uses Rule's exclusive design features to** produce the highest capacity available for a pump **its size.**

- H: 7-1/4" x W: 4-7/8"
- **Outlet for 2" ID hose**

Part #	Volts	GPH	Amps
RUL 56-D	12	4000	20

Rule Personal Watercraft Automatic 500 GPH Pump

Will automatically remove water from the engine compartment, without the use of a float switch. The pump automatically checks for water, and if present, **continues pumping until all the water is removed.**

- **2-3/4" wide, 4" high**
- 6' wire leads for easy installation

RUL 25S-6WC

Rule Personal Watercraft Pump Installation Kit

Contains all the necessary components in order **to install a Rule personal watercraft pump. Included is 2' of discharge hose, a hole saw, a** thru-hull fitting, hose clamps, a fuse and fuse **holder, and a small tube of Elastomeric sealant used to adhere the pump in place.**

RUL PWC-1

Rule 110 VAC Submersible Pumps

- **Non-automatic pump**
- Totally submersible 110 VAC
- Heavy duty construction
- Pump motor is permanently lubricated for **extended life**
- Snap off strainer for easy cleaning

Part #	GPH	Watts	H x W	Outlet
RUL A-53-D	1800	100	7-1/4" x 4-3/4"	1-1/8"

Rule-Mate Automatic Bilge Pumps

Pump and non mercury float switch are in a single **compact housing. Float switch activates the pump when the water passes the 2-1/8" mark.**

- Easy-clean snap-in bases
- **Ignition protected**
- **Anti-airlock protection**
- **Stainless steel shafts**
- **29" wire lead**

Part #	Volts	GPH	Amp Draw	Outlet	H x W x D	Fuse
RUL RM-500A	12	500	2.5@13.6V	3/4"	4" x 5" x 2-3/16"	2.5 amps
RUL RM-750A	12	750	4.0@13.6V	3/4"	4" x 5" x 2-3/16"	6.0 amps
RUL RM-1100A	12	1100	5.0@13.6V	1-1/8"	4" x 5" x 2-3/16"	6.0 amps
RUL RM-1500	12	1500	7.0@12.0V	1-1/8"	6" x 7-1/4" x 4-1/4"	9.0 amps
RUL RM-2000	12	2000	12.0@12.0V	1-1/8"	6" x 7-1/4" x 4-1/4"	15.0 amps

RUL 285 Replacement strainer for RM-500/750

Rule Automatic Bilge Pumps

Computerized operation on the principle of impeller resistance. Float switches are not required. The pump will turn on every 2-1/2 minutes for about one second to sense for water. If water is present, the pump will **sense resistance and continue to run until all water is removed. Minimal power use in the checking mode.**

Part #	Volts	GPH	Amps@12V	H x W x Port	Outlet	Power Cord
RUL 25-S	12	500	1.9	4" x 2-3/8"	3/4"	-
RUL 27-S	12	1100	3.3	4-1/2" x 2-3/8"	1-1/8"	-
RUL A-53-S	110VAC	1800	100W	7-3/4" x 4-7/8"	1-1/8"	8'
RUL A-53-S-24	110VAC	1800	100W	7-3/4" x 4-7/8"	1-1/8"	24'
RUL 53-S	12	2000	8.4	7-3/4" x 4-7/8"	1-1/8"	-
RUL 55-S	12	3700	15.5	8-1/4" x 4-7/8"	1-1/2"	-

RUL 279 Replacement strainer base for 2800-3700 GPH pumps

Rule In-Line Submersible 12V Pumps

IL-200P

IL-280/500P

IL-500PK

RP-280KR

- **Centrifugal submersible in-line pump**
- Easy conversion for in-line pumping applications
- Strainer removes for easy cleaning
- Water systems to 80 ºC
- **Pump up to 32' of head**

Part #	GPH	Outlet	Pressure	L x Dia	Cable	Rating	Liquid
RUL IL-200P	200	3/8" & 1/2"	11 PSI	5.6" x 1.4"	3'	Intermittent	Fresh / Sea Water / Anti-freeze & Diesel
RUL IL-280P	280	1/2"	14 PSI	6.5" x 1.5"	13' w/ battery clips	Continuous	
RUL RP-280KR**	280	1/2"	14 PSI	Case 12" x 8"	***	Continuous	
RUL IL-500P	500	3/4"	14 PSI	6.5" x 1.5"	13' w/ battery clips	Continuous	
RUL IL-500PK*	500	3/4"	14 PSI	6.5" x 1.5"	13' w/ battery clips	Continuous	

* Includes a spray nozzle and a 12' lay flat hose

** - Enclosed in a convenient carrying case
- Spray nozzle and a 8' lay flat hose
- Pumps 100 gallons (379 L) per charge

*** Rechargeable battery, battery clip & vehicle power adapter

THE WORLD'S MOST TRUSTED™ PUMPS

rule®

RULE-MATE® FULLY AUTOMATED BILGE PUMP

The award winning Rule-Mate pump series just got even better.
The New Rule-Mate features a solid state water sensing technology eliminating the need for a separate float switch. The pump check feature is available on the 500, 750, & 1100 GPH Rule-Mates. Simply push the pump check button for a few seconds and the pump will test cycle ensuring reliability.

Features and Benefits

- All-in-one pump and switch
- Pump turns on when water level rises and shuts off when water is removed
- No external float switch required
- Anti-fouling impeller

A Global Leader in Pump & Valve Solutions

www.rule-industries.com

ITT

Flojet Diaphragm Bilge Pump

Self priming, 12VDC pump can be run dry. The pump may **be mounted up to 6' above the bilge. Can be operated with manual on/off switch or with a** float switch. Comes complete with (2) 3/4" hose barbs, (2) garden hose adapters, and (1) 3/4" barb & in-line strainer.

- **5 GPM drawing 8 amps @ 10 PSI**

FLJ 4125-114A

ITT Jabsco Bilge Pump

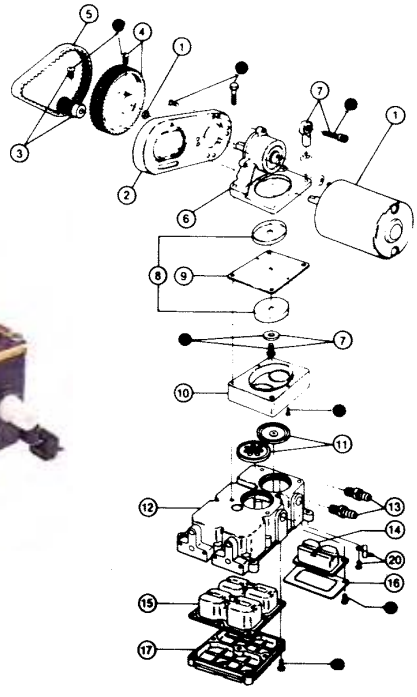
- Self priming up to 6' (2m) vertical lift, **allows mounting above wet bilges**
- 200 GPH open flow output
- Diaphragm design allows extended dry **running**
- Built-in hydraulic pulsation dampener
- **Complete with pumpgard strainer**
- **L: 7-1/2" x W: 5-1/4" x 5-3/4"**

Part #	Volts	GPH	Amps	Outlet
ITT 37202-2012	12	200	6.0	3/4"

ITT Jabsco 36600 Bilge Pump

- Self priming up to 10' (3m) vertical lift
- 475 GPH open flow output
- Diaphragm design allows extended dry running
- Built-in hydraulic pulsation dampener
- **Complete with pumpgard strainer**
- Permanently lubricated ball bearings on shaft and **connecting rod**
- **Large vibration pads**
- **3/4" ports**
- L: 5-5/8" x W: 5-7/8" x H: 8-1/4"

ITT 36600-0000



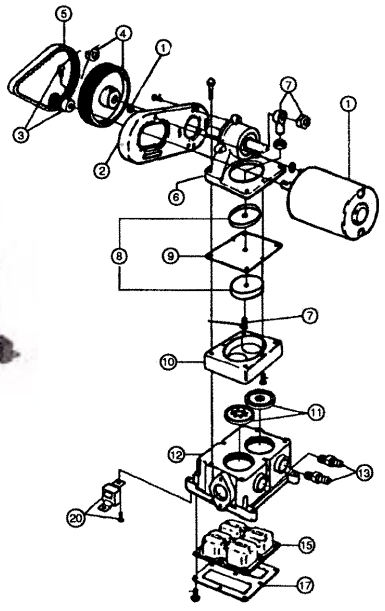
Key	Description	Part #	Qty	Avail.
1	Motor Kit 12V	**ITT 30200-0000**	1	S
1	Motor Kit 24V	**ITT 30200-0010**	1	S
2	Motor Mount	**ITT 34628-0000**	1	R
3	Small Pulley	**ITT 37169-0000**	1	S
4	Large Pulley	**ITT 37170-0001**	1	R
5*	Belt	**ITT 30021-0000**	1	S
6	Jack Shaft Assembly	**ITT 35691-0001**	1	R
7	Connecting Rod Assy.	**ITT 37173-0001**	1	S
8	Diaphragm Plate	**ITT 43990-0053**	1	S
9*	Diaphragm	**ITT 30016-0000**	1	S
10	Retainer	**ITT 35173-0000**	1	R
11*	Valve Set	**ITT 30003-0000**	1 Set	S
12	Base Assembly	**ITT 35630-1100**	1	R
13	Ports	**ITT 37175-0000**	1	S
14*	Small Pulse Dampener	**ITT 37177-0000**	1	S
15*	Pulse Dampener	**ITT 37178-0000**	1	S
16	Small Bottom Plate	**ITT 35628-0000**	1	R
17	Bottom Plate	**ITT 35623-0000**	1	S
20	Vibration Pad Kit	**ITT 37180-0000**	1 Set	S
21	Hardware Kit	**ITT 37165-0000**	1 Set	R
Service Kit (See*)		**ITT 30124-0000**	1 Set	R
S = Stocked Item R = Request Item				

ITT Jabsco 330 GPH Bilge Pump

- 330 GPH
- **3/4" hose**
- L: 7-5/8" x W: 6-1/2" x H: 8-1/2"

ITT 36680-2000*

*Request Item

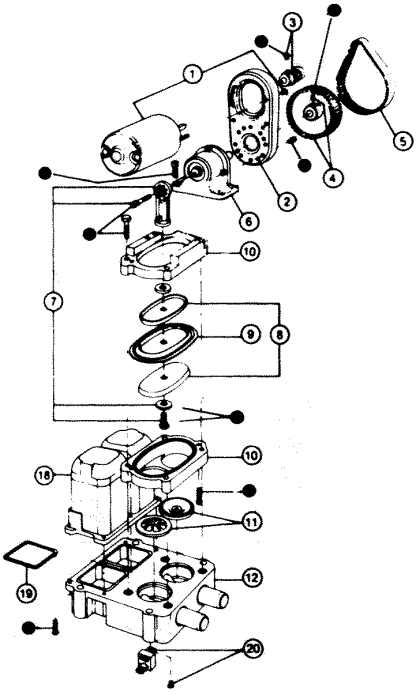


Key	Description	Part #	Qty	Avail.
1	Motor Kit 12V	**ITT 30200-0000**	1	S
1	Motor Kit 24V	**ITT 30200-0010**	1	S
2	Motor Mount	**ITT 34628-0000**	1	R
3	Small Pulley	**ITT 37169-0000**	1	S
5*	Belt	**ITT 30022-0000**	1	S
7	Connecting Rod Assy.	**ITT 37173-0001**	1	S
8	Diaphragm Plate	**ITT 43990-0053**	2	S
9*	Diaphragm	**ITT 30016-0000**	1	S
10	Retainer	**ITT 35173-0000**	1	R
11*	Valve Set	**ITT 30003-0000**	1 Set	S
12	Base Assembly	**ITT 44114-1000**	1	R
13	Ports	**ITT 37175-0000**	1	S
15	Pulsation Dampener	**ITT 44127-1000**	1	S
17	Bottom Plate	**ITT 35686-0000**	1	R
Service Kit (See*)		**ITT 43990-0062**	1	R
S = Stocked Item R = Request Item				

ITT Jabsco 645 GPH Bilge Pump

- Self priming up to 10' (3m) vertical lift
- 645 GPH open flow output
- Diaphragm design allows extended dry running
- Large surge chamber for even water flow
- Permanently lubricated ball bearings add to pump life
- **Large vibration absorbing pads**
- **1" outlet**
- L: 9-3/16" x W: 8-5/8" x H: 10-1/2"

ITT 34600-0000



Key	Description	Part #	Qty	Avail.
1	Motor Kit 12V	**ITT 30200-0000**	1	S
1	Motor Kit 24V	**ITT 30200-0010**	1	S
2	Motor Mount	**ITT 34628-0000**	1	R
3	Small Pulley	**ITT 37169-0000**	1	S
4	Large Pulley	**ITT 37170-0001**	1	S
5*	Belt	**ITT 30021-0000**	1	S
7	Connecting Rod Assy.	**ITT 37172-0001**	1	R
8	Diaphragm Plate Top	**ITT 34640-0000**	1	R
8	Bottom	**ITT 34637-0000**	1	R
9*	Diaphragm	**ITT 30012-0000**	1	S
10	Retainer Top	**ITT 34633-0000**	1	R
10	Retainer Bottom	**ITT 34634-0000**	1	R
11*	Valve Set	**ITT 30002-0000**	1 Set	S
12	Base Assy.	**ITT 34623-0000**	1	R
19	Gaskets	**ITT 37181-0000**	1 Set	R
20	Vibration Pad Kit	**ITT 37180-0000**	1 Set	S
21	Service Kit (See*)	**ITT 30101-0000**	1	R
S = Stocked Item R = Request Item				

ITT Jabsco Hydro Air Switch

Automatically operates bilge pumps once the **water level reaches 2-1/4". As water rises in the bilge, air pressure in the bell and tube increases, operating a diaphragm switch in the switch unit. All electrical components are clear of the water and no sensitive electronics are used.**

ITT 59400-0012 12V, 10 amps

Rule Eco Switch

Automatic bilge pump switch that features a non mercury design. The switch operates **with simple air pressure therefore there are no moving parts to wear out. All wiring is out of the water and there are no submerged electrical connections.**
For pumps drawing up to 20 amps.

RUL 39 12V

Rule-A-Matic Plus Float Switch

Has a strong, impact-resistant cover to guard against debris. **Abrasion resistant wires exit the top keeping them out of the water, and reducing wear and tear. Manual testing feature allows operation checks.**

- Mercury FREE

RUL 40-A Float switch
RUL 40-FA Float switch with fuse

Rule Super Float Switch

Large float provides more buoyancy, less on/off cycling. Wire is kept up and out of the way. Two year warranty.

- Mercury FREE

RUL 37-A
RUL 37-FA With in-line fuse

Adapter to attach the Rule Super Switch to the 3700 and 4000 pumps.
RUL 64

Adapter to attach the Rule-A-Matic Switch to Rule 1500 , 2000 and 5-year pumps.

RUL 65

Rule Float Switch

No exposed metal to corrode. Utilizes simple float principle.

- **For 12 - 32 VDC Max. 15 amp**
- Mercury FREE

RUL 35-A
RUL 35-FA With in-line fuse

Parts:
Adapter to attach the Rule-A-Matic switch to Rule 1500, 2000 and 5-year pumps.

RUL 65

Attwood Float Switch

This switch can mount on any surface from **horizontal to 35° angle. The integral cover dampens bilge sloshing to reduce pump** cycling and prevents debris interference. The switch mechanism is completely isolated and **sealed to resist moisture, fume-ignition, and** electrical shock, and contains no harmful mercury or flexing wires.

ATT 4201-7 Switch with cover
ATT 4202-7 Switch only

Surebail Series 900 Float Switch

- Mercury switch sealed in polyurethane foam float
- **Float won't waterlog, stick, spark or come apart**
- Wires always above the water
- Case protects float from damage and debris
- **Rated @ 15 amps. max at 6-32 VDC**
- **5 amps. max. at 110 VAC**
- Full 5 year warranty

SRB 900-2000

Rule Bilge Alarm

The high water bilge alarm consists of a float switch and a black in-dash gauge **that features both a visual and audible alarm. Additional areas of the vessel can** be monitored by adding model 33 float **switches.**

RUL 33-ALA 12V

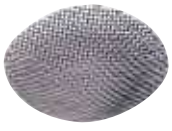
Aqualarm "Smart" Bilge Pump Switch

When water is detected the switch will activate a pump and run almost dry **and then go another 15 seconds. If for some reason the pump cannot keep up** with the flooding water and empty the **bilge after running for two minutes, the smart switch triggers an alarm. It** is cased in a solid block of epoxy with push-on connectors and a screw hole for bulkhead mounting. Heavy duty - switches pumps to 30 amps. Completely waterproof. Includes the Aqualarm 208A Bilge Water Level switch.

- **2" x 3" x 1-1/2"**

AAL 20035 12V
AAL 20036 24V

Rule Stainless Steel Debris Strainer



For use on round based Rule pumps up to 3700 GPH. Prevents jamming and premature failure.

RUL 70

Water Witch Switches

- **No moving parts to jam or fail**
- Environmentally sensitive, will not pump oil or gas
- No pump stutter to cause false cycling
- No electrolysis-ignition protected
- **No pump burnout from jammed switches**
- **Waterproof and impermeable to all bilge substances**
- **Self-test feature**
- Full 7 year warranty
- **2-5/8" x 1-5/8" x 1-5/8"**

WIT 230 12V
WIT 230-24 24V

Same as the above but with a secondary **upper activation switch for an alarm, second pump or warning device.**

- **2-1/8" x 3-1/8" x 1-5/8"**

WIT 257 12V

Ultra Automatic Bilge Pump Switches

Declared by *Practical Sailor Magazine* **as** "The best bilge pump switch you can buy. " **Impervious to all materials in the bilge. Uses** an enclosed float and a magnetic switch to turn **pump on when 2-1/2" of water is detected and off at 1" of water. Can handle up to a 15 amp pump and operate pumps to 32V Comes with heat shrink connectors and mounting clamps.** 5 year warranty on the Junior and lifetime warranty on the Senior & Mini. U.L. listed.

- Senior & Junior: 6-1/2" H x 2-1/2" Dia
- Mini: 4" H x 1-3/4" Dia

USS UPS-01-12V Senior model, 15 amps @ 12V
USS UPS-01-24/32V Senior model, 10 amps @ 24/32V
USS PS-02-12V Junior model, 15 amps @ 12V
USS PS-02-24V Junior model, 15 amps @ 24V
USS PS-06-24V Mini model, 10 amps @ 24/32V

Cole Hersee Bilge Pump Switch

- 3 position (auto-off-manual)
- Brass case with 3 screw terminals
- **Chrome plated die cast lever**
- **Polished aluminum face plate**
- Brass stem
- **7/16" diameter x 1-1/16" long**
- **For panels up to 13/16" thick**

C/H M-552

Rule Deluxe 3-Way Panel Switches

Controls any pump equipped with an automatic switch. Three **position switch with spring return to "off" from manual. Red indicator light with pre-wired fuse holder.**

- Black stainless steel panel
- **Size: 3-1/4" x 2"**

RUL 41 12V
RUL 42 24/32V

Parts:
RUL M-252 Indicator light 12V
RUL M-592 Fuse holder
RUL M-253 Indicator light 24/32V

Rule Standard 3-Way Panel Switch

Controls any pump equipped with an automatic **switch. Three position switch with spring return to "off" from manual. Good for all voltages.**

- **Size: 2-1/4" x 2"**

RUL 45

Rule 3-Way Rocker Panel Switches

Black plastic panel, built in fuse holder and an internally lighted rocker switch with three **positions. A spring returns the switch to "off" from the "manual" position.**

- W: 2-7/8" x H: 2-3/8"

RUL 43 12V
RUL 44 24/32V

Rule On-Off Panel Switch

For any manually operated system and to **provide "manual" control for Rule automatic submersible pumps Good for all voltage up to 110 volts.**

- **Size: 2-1/2" x 2"**

RUL 49

Rule Personal Watercraft Pump On/Off Switch

Water resistant and designed to offer on-demand use of Rule Personal Watercraft Pumps. It features a compact design, a water resistant toggle mechanism and a stainless steel face plate.

RUL 49PWC

Sea-Dog Bilge Pump Switch w/ Breaker

Injection molded ABS for durability and corrosion resistance. Comes with a three way switch allowing **automatic and manual switching. LED light activated when panel in Auto or Manual mode. Panel is back lit for night viewing.**

- **20 amp rated**
- **Uses #6 screw**
- W: 3" x H: 2-3/16"

SED 423040-1

Rule General Purpose Washdown Pumps

Designed for use as washdown pump or to circulate water to your livewell tank. This **pump has all the features of the 3700 bilge** pump. Because it is a centrifugal pump it **must be located below the source of water to ensure prime.**

- 5-1/4" H x 8-1/2" W
- **Outlet: 1-1/2 ID hose**

Part #	Volts	GPH	Amps
RUL 17-A	12	3800	20
RUL 18-A	24	3700	10
Parts:			
RUL M-441	Mounting bracket for 17-A		

ITT Jabsco Washdown Pumps

- **Flow rate to 7.0 US gallons/min** (26.5 litres/min)
- Pressure up to 80 psi (5.7 bar)
- Self-priming up to 10 feet (2.5m)
- **New 5 chamber design**
- **Includes pumpgard intake strainer, pressure nozzle, port** fittings and a 35 amp breaker
- High pressure/high capacity
- **Suitable for use with salt water**
- **Sealed motor**
- ISO 8846 MARINE (Ignition Protection Standards)

ITT 52700-0092 Pump
ITT 52900-0092 Pump w/ hose kit

ITT Jabsco Par Max Washdown Pump

- **12 volt, 4 GPM**
- Three piston system, 60 PSI pump
- Self priming & can be run dry
- **Snap-in swivel ports**
- **15 amp maximum**
- Includes 25' hosecoil, sprayer and strainer

ITT 32900-0092

ITT Jabsco Par-Max 4 Bilge/Livewell Pumps

258 GPH flow, run-dry ability in a compact, low profile design. Heavy duty motor has a **special waterproof coating. Can** be used as an intermittent duty **bilge pump or as a continuous** duty livewell pump. Motor **is thermal overload protected and meets USCG requirements including ignition protection.**

- 4-1/16" H x 4-1/8" W x 7-1/4" L

Part #	Volts	GPM	Amps
ITT 31705-0092	12	3.8	5.5
ITT 31705-0094	24	4.3	4

ITT Jabsco Par-Max 4 Washdown Pumps

Multi outlet pressure pumps serve up to 4 or more 1/2" outlets at any one time. Snap fit ports (included) simplify both installation **and removal for routine service.**

- **5 GPM, 50PSI**
- Self priming up to 10' (3 m)
- **4 piston diaphragm**
- **Thermal overload protection**
- Diaphragm design allows extended dry running
- **Complies with USCG 183.410 and ISO 8846 marine ignition protection**

ITT 32700-0092 12 volt
ITT 32700-0094 24 volt

Shurflo 'Pro Baitmaster' Heavy Duty Livewell Pump

Bait/Livewell tank pump, suited for **tanks up to 35 gallons. Rated for** continuous duty and comes with **a sealed marine switch. Stainless steel hardware resists corrosion. Self priming up to 8 feet. Low amp draw.** Standard ports 1/2" male threaded. UL Marine listed. One year warranty.

- **9.25" x 5.0" x 5.5"**

Part #	Flow	Volts	Draw
SHR 4901-6212	4.0 GPM	12	9 amp

Shurflo 'Blaster' Washdown Pump

For tough wash down applications such as fish-box, scaling and anchor chain **cleaning. Comes complete with a non-**corrosive heavy-duty hose nozzle.

- **Self primes to 8'**
- Can be run dry without damage
- **UL listed**
- 1 year warranty
- **7.3" x 5.0" x 4.6"**

Part #	Flow	Volts	Draw	Shut Off
SHR 3901-2214	3.5 GPM	12	9 amp	45 PSI

Shurflo 'Pro-Blaster' Washdown Pump

For tough wash down applications such as fish-box, scaling, anchor chain cleaning, etc. Comes finished in ShurCote, a **waterproof coating that protects against the elements.**

- **UL listed**
- 2 year warranty
- **7.3" x 5.0" x 4.6"**

Part #	Flow	Volts	Draw	Shut Off
SHR 4901-4282	4 GPM	12	10 amp	45 PSI

► *Also See:* *Groco Vane Pumps pg 659*

Flojet 'Quad II' Automatic Pumps

The "Quad" pump features a four valve diaphragm design for quiet operation and smooth flow. For fresh or salt water, self priming to 6 feet and may be run dry without harm. Comes with 2 sets of Quick-lock ports for either 1/2" hose or 1/2" Qest fittings. Optional 3/4" hose barb in-line strainer and **non-corrosive pressure nozzle*. Shipping weight 6.0 lbs. Use a 10 amp fuse.**

- 3.75" H x 9.9" L x 6.3" W

Part #	Volts	Open Flow GPM	Pressure On/Off	Amps Nom.	Strainer	Nozzle
FLJ 4325-143A	12 DC	4.5	20/40	6	Yes	No
FLJ 4325-143L	12 DC	4.5	20/40	6	Yes	Yes
FLJ R4325-343A	24 DC	4.5	20/40	3.0	Yes	No
FLJ 4325-443A	32 DC	4.5	20/40	2.0	Yes	Yes
FLJ 4325-043A	115 AC	4.5	20/40	0.5	No	No

*Included with kits only

Flojet Bait Tank & General Purpose Pumps

Designed for 15 to 30 gallon bait tanks or as a general purpose pump. Heavy duty ball bearings, long life continuous duty motor, oil resistant elastomers **and a quad valve which means quiet** operation and smooth flow. It is self priming and can be installed in any **convenient location above or below the waterline. This pump can also be used for diesel fuel transfer, engine oil changing, other liquid transfer jobs, and most de-watering or circulation applications. Comes complete** with a 3/4" in line strainer, two 3/4" hose barb fittings and two 3/4" garden hose fittings.

Part #	Volts	Open Flow GPM	Amp Draw @10 PSI
FLJ 4105-501A	12V DC	3.3 (12.5)	3.6
FLJ 4105-503A	24V DC	3.3 (12.5)	1.8

► *Also See:* *Hoses & Nozzles pg 404*

Rule Shower Drain Systems

A compact, full capacity shower drain system. Automatically turns on after the water starts, and shuts off when the water is removed. Activated by a Rule-A-Matic float switch. Available in single outlet and three outlet ports which offer varying **combinations of inlet hose. Other features include a clear screw-down cover, removable strainer for** easy cleaning and an internal check valve to prevent back flow. **Discharge size: 3/4"**

Part #	Description	Inlet	Size
RUL 97-A	500 GPH single 12V	1-1/2"	8-1/4x9-1/2x5-1/2
RUL 98-A	800 GPH multi 12V	(3)	8-1/4x11-1/4x5-1/2
RUL 98A-24	800 GPH multi 24V	(3)	8-1/4x11-1/4x5-1/2

Attwood Shower Sump Pump System

A check valve in the outlet connector prevents pump cycling and reduces **standing water odour. The clear plastic lid** allows easy filter inspection and service. The pump, float switch, and outlets are **contained in one compact, high-impact** plastic housing. The system provides three **inlet sizes for hooking up multiple drains: 3/4", 3/4" or 1", and 1-1/8" or 1-1/2" ID hose, and an outlet for 3/4" ID hose. For boat's** sinks, shower, or tub. Powered by 750 GPH pump. Float switch **engages pump at 2" water level. 12 volt model draws 2.5 amps.**

- 4-7/16" H x 7-23/64" W x 13" L

ATT 4143-4 12V
ATT 4144-1 24V

Rule Baitwell Pump

For seacock applications the "F" series livewell pump uses a straight 1" pick-up tube and incorporates a computerized anti-airlock system that detects and clears airlocks by quickly **shutting down and restarting.**

- **12V, 3.3 amps**
- **1-1/8" discharge**

RUL 205FAA 1100 GPH pump
RUL 75 Flow control valve

Rule Baitwell Pump

For thru-hull applications

- **Straight 3/4" pickup tube**
- Flow Rate: 500 GPH (1893 LPH)
- Discharge: 3/4" (19 mm)
- **Voltage: 12**
- **Amp Draw: 2.1 amp**
- **Fuse Size: 2.5 amp**

RUL 401-FC

Attwood Tsunami Aerator Pump

- **Cooler-running motors, premium materials, watertight seals and waterproof wiring**
- **Cartridges are replaceable and interchangeable between bilge and aerator pumps**
- **3/4" inlet/discharge**
- **36" wire lead**

ATT 4640-7

Rule Aeration Head

The spray head streams water back into the live-well tank enriching water with oxygen. Use with **3/4" hose.**

RUL 78

Attwood Aerator Head

Single valve aerator head for side mounting. Plastic construction.
For 3/4" ID hose for livewell systems with built-in overflow or re-circulating systems.

ATT 4125-7

TH Marine Aerator Head

- **Fits hose ID 3/4"**

THM AH1-DP

Rule Control Valve

Variable control valve allows increases and decreases of flow from the pump with no damage at all to the pump. Range includes fully open to totally off.

RUL 75

TH Marine Drain Tube

- Bait tank overflow drain tube

THM ODT-190-DP Drain tube
THM ODTS-1-DP Filter screen for drain tube

Rule Adapters

Hose adapter for adapting the 1-1/2" pump outlet to **1-1/8" hose.**

RUL 67

Garden hose adapter for 1-1/8" outlet to standard male garden hose thread.

RUL 68

Hose adapter for adapting 1-1/8" outlet to 3/4" or 5/8" **ID hose.**

RUL 69

90° elbow adapters for Rule bilge, sump and utility **pumps. Allows pumps to be attached to rigid piping** systems. Snaps onto discharge port.

Part #	Outlet Size	N.P.T.
RUL 57	1-1/8"	1"
RUL 58	1-1/2"	1-1/4"

TH Marine Aerator Filter

Externally installed, this filter prevents aerator system problems.

THM AF-1-DP

TH Marine Baitwell Overflow Filter

These baitwell filters install on standard 1-1/8" through hulls. The filter base installs under the through hull flange, the AFD-118 filter cap can then screws on, and off for easy **cleaning.**

THM AFD-118-DP

Centek Bilge Kleen Filter

Installed on your bilge pump discharge line, this filter **removes 100% of oil, gas, diesel and other petroleum** products from your bilge water without restricting **bilge pump performance.**

CEN 8-BK-1 Filter
CEN 8-BF-1-1R Replacement filter

Groco Inlet Strainers

This top quality strainer, with a 40 mesh stainless steel filter basket, is ideal for any size water system. The body is nylon and the impact resistant, clear plastic sight glass easily **unscrews for screen cleaning.**

GRO WSB-500-P 1/2" IPT
GRO WSB-750 3/4" IPT
GRO WSB-1000 1" IPT

Parts:

GRO WSA751 S/S filter basket #750
GRO WSA752 Filter gasket
GRO WSA1001 S/S filter basket #1000

Shurflo Pump Accessories

255-323

In-line potable water strainers feature a transparent design for easy visual checking. Regular and **twist-on designs are available. Regular strainer engineered with 1/2" hose barbs or threads for connection to 1/2" NPS.**

340-001

In-line-check valves are easily installed in any system to allow flow in one direction only and safeguard against back surge to 200 PSI.

Part #	Description	Connection
SHR 255-323	Twist-On Strainer	1/2" hose barb 1/2"-14 NPS*
SHR 255-313	Twist -On Strainer	1/2"-14 NPS* 1/2"-14 NPS*
SHR 340-001	In-Line Check Valve	1/2" hose barb

*NPS National Pipe Strait Thread

Shurflo Guardian Raw Water Strainer

The ultra flow design allows up to three times more straining capacity than other strainers on the market. **#50 mesh screen. 3/4" FNPT.**

SHR 253-220-01

Shurflo Extreme Water Filter

Highly recommended for use with the Extreme series Shurflo pumps, it is **engineered to compliment the higher performance of the Smart Sensor pump.** Uses a #50 mesh screen, nylon housing and a polyamide bowl. Supplied with 3/4" fittings.

SHR 254-266

Flojet Inlet Strainers

For fresh water use. Stainless #40 mesh screen. Threaded bowl for easy one handed removal and cleaning. Also fits Jabsco pumps

FLJ 1740-012A 1/2" barb
FLJ 1740-014A 1/2" M Quest

ITT Jabsco Pump Guard Filters

Pumpguards install in-line between bilge pick up and pump. These strainers protect all electric diaphragm bilge pumps. Transparent housing allows instant inspection. Quick **in-place cleaning of the mesh stainless steel screen. 46200-series use a 20 mesh screen while the 46400-series** uses a finer 40 mesh screen. Pipe or hose fittings.

ITT 46200-0000 3/4" hose
ITT 46400-0000 3/4" hose
ITT 46400-0002 1/2" hose
ITT 46400-0004 1/2" threaded
ITT 46400-9500 For snap-in 90° out fitting

Racor Replacement Freshwater Cartridge

Replacement filter fits the Racor #WFA-12-S5, S30 and **S60 units**

RAC WFC-S30 30 Micron sediment cartridge

FYI

Rotary Vane Pumps

The rotary vane pump is constructed of materials selected for their compatibility with diesel fuel and lightweight oil, and are specifically designed for pumping these liquids. These pumps are not recommended for pumping liquids containing solids or debris.

Groco Rotary Vane Pump

The self lubricating mechanism features twin oscillating Teflon impellers which can be run dry without damage and the twin chambers deliver a smooth, pulsation free flow. The pump requires an external drive. Use a belt and pulley system or an **electric motor with a P-7005 direct drive coupling set. Inlet and** outlet: 3/4" NPT (internal)

- **Water, diesel and oil capable**
- **Self priming to 10 feet**
- Reversible, continuous duty
- Bronze body
- **1/2" stainless steel shaft**
- **Carbon-graphite bearings**
- H: 5.5" x L: 6.8"

Part #	GPM	PSI	RPM
GRO P-9000	11.5	60	1750

Parts:

GRO P9014-SET Impeller set
GRO P9005 Seal

ITT Jabsco Reversing Vane Puppy

- **Fitted with reversing switch**
- Body: Bronze rotor: plastic - liquid crystal polymer vanes: plastic - polyphenylene sulfide seal: Lip Type, **Nitrile**
- Motor: 12V Permanent magnet type, intermittent duty, fully enclosed, **stainless steel shaft**
- Ports: 1/2" NPT internal pipe threads 1" (25mm) external hose **barb**
- 6 GPM (23 LPM) at 10' (3m) head: self priming up to 9' (2.8m) **vertical lift**
- 220°F to 1000°F operating temperature range
- Duty cycle-35 minutes at 10' (3 metres) at 860F (300C)
- **Complies with USCG 183.410 and ISO 8846 MARINE** (Ignition Protection)
- H: 3-1/4" x L: 8" x W: 4-3/4"

ITT 18680-1000

Groco Vane Pumps

Delrin rotor and vanes - not affected by diesel fuel or oil. Self **priming to 24". Ports are threaded for both garden hose and 1/2"** NPT (internal).

- **12 Volts**
- **Water pumping: 7 GPM @ 7 amps**
- **Oil pumping: 4.5 GPM @ 17 amps**
- H: 4.6" x W: 4.45" x L: 8.74"

GRO SPO-60N-12V
GRO SPO-60R-12V Reversing motor

GRO P-1 Service Kit - Shaft seal, seal snap ring, cover seal
GRO P-5 Service Kit - Shaft seal, seal snap ring, cover seal
GRO SP-94 Rotor
GRO SP-95 Motor slinger
GRO SP-99 Blade set
GRO 2-034* Cover seal
GRO B-200-G Motor base grommets(4)

*Request Item

ITT Jabsco Continuous Duty Vane Pump

A continuously rated heavy duty diesel **refuelling pump which is self priming up** to 16' (5m). Connections for 1" (25mm) ID hose with switch and circuit breaker fitted **as standard. These pumps have cast iron bodies, brass rotors and bronze or steel vanes. Pumps 14 gallons per minute.**

- H: 5-3/4" x W: 5" x L: 8-1/2"

Part #	Volts	Amps	GPM
ITT VR050-1022	12	12	14
ITT VR050-1122	24	6	14

Note: This pump is recommended for transferring diesel fuel only. Pumping other liquids can damage pump

Groco Vane Pump Deck Wash Kit

These deck wash kits are completely **assembled and water tested salt water** systems which provide pressurized **water on demand for deck and/** or anchor wash. They include all necessary hardware except for wire and hose. Features include; 1/8 HP SPO-**60-N vane pump that is self priming to 24" and delivers 6.5 GPM at 15 - 35** PSI, pressure switch, check valve to maintain system prime while underway, and PGN-50 saltwater nozzle.

- H: 3.88" x W: 10" x D: 8"

GRO C-60-12V

Parts:

GRO IPS -40 Pressure switch
GRO P-5 Service Kit - Shaft seal, seal snap ring, cover seal

FYI

Flexible Impeller Pumps

The flexible impeller design make these pumps self-priming so they can be mounted above and away from the bilge area. Ideal for bilge pumping, deck wash down or general purpose applications. Dry lifts to 10 feet, up to 25 feet when wetted. Flexible impellers are lubricated by the liquid being pumped.
Do Not Run Dry
Do Not Use For Gasoline Transfer.

ITT Jabsco Water Puppy

Bronze body with removable end cover for easy impeller service. Ports: 1" hose barbs and 1/2" NPT (internal) with plastic adapters **for garden hose thread.**

- 5.3 GPM flow
- **7.5amp draw**
- **12 VDC**
- **Not reversible**
- H: 3-3/8" x W: 4-3/4" x L: 6-3/8"

ITT 18660-0121 Pump

Parts:

ITT 6303-0001-P Neoprene replacement impeller

ITT Jabsco Commercial Duty Water Puppy

Bilge debris presents no problem to this bronze bodied, flexible impeller pump. **Good for bait tank circulation, livewell aerator, anchor washdown and windshield wash.**

- **Impeller: Nitrile compound**
- Seal: Lip type
- **Ports: 1/2" internal pipe threads 1" external hose barb adaptor for 3/4" garden hose thread included**
- Motor: Permanent magnet type, fully enclosed, stainless steel shaft, ball type shaft bearing
- 470 GPH (1770 LPH) output at 10' (3m) total head
- Self-priming up to 8' (2.4m) vertical
- **Oil & diesel transfer**
- H: 3-1/2" x L: 7-1/8" x W: 4-3/4"
- Weight: 6 lb (2.7 kg)

ITT 18670-0123 12V
ITT 18670-0943 24V

Parts:

ITT 6303-0001-P Neoprene replacement impeller
ITT 6303-0003-P Nitrile replacement impeller

ITT Jabsco Bronze AC Flexible Impeller Pump

For dockside general purpose pumping and some onboard applications.

- Body & Pump head: Bronze
- **Impeller: Nitrile compound**
- **Motor: 115 Volt AC with replaceable brushes, stainless steel shaft, 6' cord**
- **Ports: 3/8" Internal pipe thread and adaptors for 3/4" garden hose thread**
- **Oil & diesel transfer**
- Weight: 5 lb (2.3 kg) (approx.)
- 3.4 GPM (12.8 LPM) output at 10' (3m) total head
- H: 3-5/8" x W: 4" x L: 6-7/8"

ITT 12210-0003

ITT Jabsco Bronze AC Flexible Impeller Pump

Ideal for dockside general purpose pumping and some onboard applications.

- Body: Bronze construction, bronze **pump head**
- **Impeller: Nitrile compounds**
- **Ports: 3/4" Garden hose and 1/2" NPT internal**
- Motor: 1/3 HP, 115V AC 60 HZ, 1725 RPM, single phase, capacitor type, fan cooled, handle and 8' cord with 3 prong grounded plug on ODP motor only
- 9.5 GPM (36 LPM) output at 10' (3 m) total head
- Continuous duty motor with thermal over-load protection
- **8 foot power cord with grounded plug**
- Convenient carrying handle
- **Oil & diesel transfer**

ITT 11810-0003 Pump
ITT 5929-0003-P Nitrile replacement impeller

ITT Jabsco Flexible Impeller Pump

Bronze AC motor pump unit is ideal for **dockside general purpose pumping and some on-board applications. A pump** capacity of 23 GPM with 1" pipe thread **ports. It is also ideal for the large de-watering or washdown applications. The motor can be wired for either 115 or 230 volt operation.**

- Motor: 3/4 hp TEFC or ODP AC induction type, 8' power cord, **3 prong grounded plug, thermal overload protected**
- **Oil & diesel transfer**
- **8-19/32" x 7-3/4" x 13-1/32"**

ITT 6050-0003

Parts:

ITT 6056-0003-P Nitrile replacement impeller

ITT Jabsco
Flexible Impeller Pulley Driven Pedestal Pumps

Jabsco flexible impeller pedestal mount corrosion resistant bronze **pumps are ideal for engine cooling, washdown, circulation,** and many general purpose on-board or dockside applications. The bronze or stainless steel shaft is installed with permanently lubricated ball bearings for long life and heavy duty service. Self-priming with the ability to operate in either direction at variable **speeds and can pass small solids without jamming. Removable** end cover allows for easy impeller service in just minutes without **disconnecting drive or port connections.The standard impeller for these model pumps is neoprene which offers the best performance for pumping of water in engine cooling, washdown or circulation applications.**

ITT Jabsco 11.3 GPM Pump

A moderate sized pedestal mount flexible impeller utility pump, provides a flow rate of **11.3 US GPM at 10' total head @ 1750 rpm.** Horizontally oriented ports.

- L: 4-7/16" x W: 4-1/8" x H: 3-13/16"
- **Fitting: 1/2" NPT**

ITT 1673-1001

Stocked Parts	Description	Uses
ITT 1210-0001-P	Neoprene impeller	1
ITT 1210-0003-P	Nitrile impeller	1
ITT 490-0001	Full Cam	1
ITT 18753-0132	Retaining Ring	1
ITT 92600-0120	Bearing	2
ITT 92700-0060	Seal	1

ITT Jabsco 26 GPM Pump

A mid-size sized pedestal mount flexible impeller utility pump, provides a high flow **rate of 26 US GPM at 10' total head @** 1750 rpm. Horizontally oriented ports.

- L: 6-5/16" x W: 4-3/4" x H: 3-9/16"
- **Fitting: 1" NPT**

ITT 777-9001

Stocked Parts	Description	Uses
ITT 890-0000	Gasket	1
ITT 934-0000	Cam (Brass)	1
ITT 3181-0000	Slinger	1
ITT 4156-0000	Wear plate	1
ITT 11831-0000	End gasket	1
ITT 17937-0001-P	Impeller	1
ITT 18713-0000	Retaining ring (shaft)	1
ITT 18724-0000	Retaining ring (body)	1
ITT 91003-0010	Screw (end cover)	6
ITT 91004-0090	Screw (cam)	1
ITT 96080-0080	Seal (face)	1

ITT Jabsco 5.8 GPM Pump

A moderate sized pedestal mount flexible impeller utility pump, provides a flow rate **of 5.8 US GPM at 10' total head @ 1750** rpm. 45° oriented ports.

- L: 5-15/16" x W: 3-1/2 x H: 3-5/18"
- **Fitting: 3/8" NPT**

ITT 2620-1101

Stocked Parts	Description	Uses
ITT 18673-0001-P	Neoprene Impeller	1
ITT 92700-0050	Seal	1

ITT Jabsco 62 GPM Pump

A mid-size sized pedestal mount flexible impeller utility pump, provides a substantial flow rate of 62 US GPM at 10' total head @ 1750 rpm. Horizontally oriented ports.

- L: 8-1/16" x W: 5-7/8" x H: 4-7/8"
- **Fitting: 1-1/4" NPT**

ITT 6400-0004

Stocked Parts	Description	Uses
ITT 816-0000	Gasket (for full cam)	1
ITT 817-0000	Bearing Seal (inner)	1
ITT 818-0000	Bearing Seal (outer)	1
ITT 834-0001	Cam (full)	1
ITT 836-0003-P	Impeller Nitrile	1
ITT 3181-0000	Slinger	1
ITT 2574-0000	Wear plate	1
ITT 6407-0010	Seal Assembly	1
ITT 12062-0000	End Cover	1
ITT 17935-0001P	Impeller Neoprene	1
ITT 91005-0040	Screw End Cover	5

ITT Jabsco 83 GPM Pump

The largest of the pedestal mount flexible impeller utility type pumps and provides a flow rate of 83 US GPM at 10' total head @ 1750 rpm. Horizontally oriented ports.

- L: 8-1/16" x W: 4-3/4" x H: 3-9/16"
- **Fitting: 2" NPT**

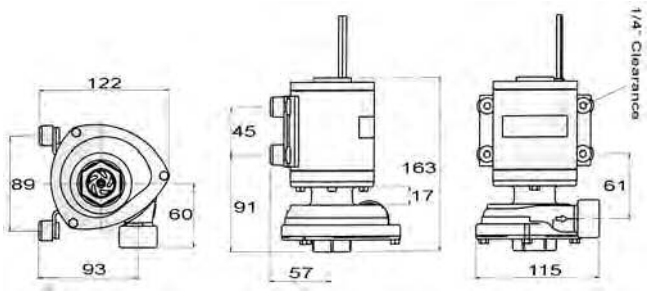
ITT 18370-0000

Stocked Parts	Description	Uses
ITT 816-0000	Gasket	1
ITT 818-0000	Outer Bearing Seal	1
ITT 2574-0000	Wearplate	1
ITT 6988-0000	Cam	1
ITT 12062-0000	End Cover	1
ITT 17936-0001-P	Neoprene Impeller	1
ITT 91005-0040	Screw (end cover)	6

FYI

Centrifugal Pumps

Centrifugal pumps, such as the Jabsco Centri-Puppy and the Groco Circulating Pump, operate quietly which makes them ideal for general circulation and liquid transfer, when silence is a requirement. Because of design characteristics, centrifugal pumps allow discharge flow rates to be regulated or restricted without causing damage. As centrifugal pumps are not self-priming, they should be located below the liquid source to provide a gravity feed to the pump inlet.



ITT Jabsco Cyclone Centri-Puppy

For circulation applications such as hot water systems, livewell or **bait tank installations.**

- Heavy duty robust stainless steel construction
- One tool servicing (3/8" spanner)
- Virtually silent running centrifugal pump
- **Long-life DC motor**
- Rotatable head 90° segments
- **Anti-clogging impeller design**
- **Long-life mechanical seal**
- **3/4" Ports**

ITT 50840-0012 12V

ITT Jabsco Magnetic Drive Centrifugal Pump

For use with hot water systems, heating systems and general **circulation.**

- Flow rate: Nominal 12.5 litres/min (2.7 gallons/min) at 0.12 bar (1.68 PSI)
- Pumps water at 100ºC & handles aggressive liquids
- High efficiency, low power consumption
- **Maintenance free & quiet**
- **Continuous rated & ignition protected**
- 19 mm (3/4") hose barb ports
- **12 VDC, 1.2 amp draw**
- "Brushless" DC motor, gives up to 20,000 **hours life**

ITT 59510-0012

Groco Circulating Pump

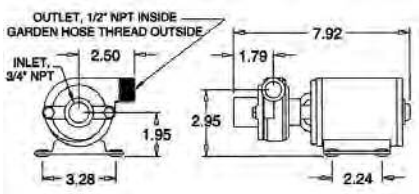
- Rated for continuous duty
- Rotary shaft seal
- **Ideal for hot or cold water circulation**
- **Pump inlet is 3/4" NPT; discharge is threaded for garden hose or 1/2" N.P.T.**
- GPM: 12.7 @ 3'

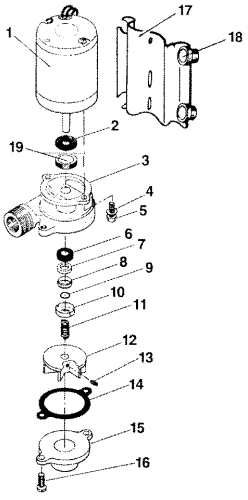
GRO CP 20-12V Pump

Parts:

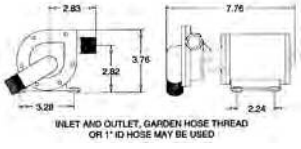
GRO 12V-B	Spare motor 12V
GRO CP-55	Impeller
GRO CP-56	Gasket for CP-20
GRO P-2	Repair kit*

* Includes (6-11) Seal assembly, (14) Gasket, (19) Seal, (NS) Seal snap ring





Groco Circulating Pump



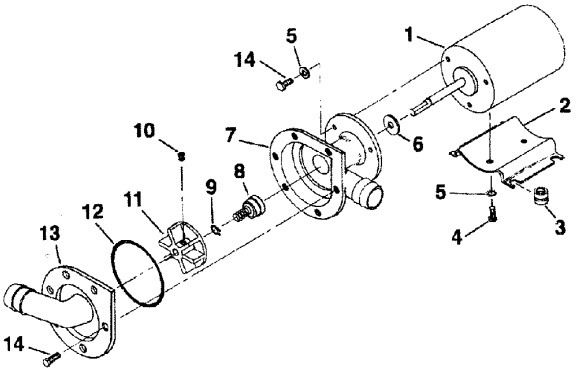
Suitable for a variety of applications, including diesel fuel transfer, baitwell/water (hot/cold) circulating or low pressure washdown. Continuous duty ignition protected long-life motor, with #316 stainless steel motor shaft. Silent running pump can be run dry for **short-term without risk of damage. Inlet/Outlet threaded for garden** hose connection, or 1" ID hose may be used.

- **Rated: 17 GPM**

GRO CB-10-12V

GRO P5 Service kit*

*Includes (8) Seal assembly, (9) Snap ring, (12) O-ring



ITT Jabsco Clutch and Pump

Manually activated clutch pump offers all the all the benefits of flexible impeller pumps with a high capacity flow rate and horizontally oriented **ports.**

- Body: Bronze construction
- **Impeller: Nitrile compounds**
- **Ports: 2" NPT internal**
- 83 GPM (314 LPM) output at 10' (3m) total head **@1750 RPM.**
- **Self-priming to 15'**
- 7" double pulley
- L: 12-7/16" x W: 5-15/16" x H: 5-3/4"

ITT 18330-0000 12V

Stocked Parts	Description	Required
ITT 816-0000	Gasket O-ring	1
ITT 2574-0000	Wear plate	1
ITT 6760-0003-P	Impeller nitrile	1
ITT 12062-0000	End cover	1
ITT 91005-0040	End cover screws	5
ITT 92300-0030	Clutch (12v-2-A Grooves)	1

ITT Jabsco Electromagnetic Clutch and Pump

Electrically activated clutch pump offers all the benefits of flexible impeller pumps with a high capacity flow rate and horizontally oriented **ports.**

- Body: Bronze construction
- **Impeller: Nitrile compounds**
- **Ports: 1" NPT internal**
- 26 GPM (98 LPM) output at 10' (3m) total **head @1750 RPM**
- **Self-priming to 15'**
- 7" double pulley
- L: 6-3/16" x W: 4-3/4" x H: 3-3/4"

ITT 11860-0005 12V

Stocked Parts	Description	Required
ITT 890-0000	Gasket O-ring	1
ITT 913-0000	Oil seal	1
ITT 920-0003-P	Impeller nitrile	1
ITT 934-0000	Cam	1
ITT 4156-0000	Wear plate	1
ITT 11831-0000	End cover	1
ITT 91003-0010	Cover screws	5
ITT 91004-0090	Cam screw	1
ITT 92300-0030	Clutch (12v-2-A Grooves)	1
ITT 96080-0080	Water seal	1

ITT Jabsco Electromagnetic Clutch and Pump

Electrically activated clutch pump offers all the benefits of flexible impeller pumps with a high capacity flow rate and horizontally oriented **ports.**

- Body: Bronze construction
- **Impeller: Nitrile compounds**
- **Ports: 1-1/4" NPT internal**
- 62 GPM (235 LPM) output at 10' (3m) total head @1750 RPM
- **Self-priming to 15'**
- 7" double pulley
- L: 8-3/16" x W: 5-7/8" x H: 5-1/2"

ITT 11870-0005 12V

Stocked Parts	Description	Required
ITT 816-0000	Gasket O-ring	1
ITT 834-0001	Cam	1
ITT 836-0003-P	Impeller nitrile	1
ITT 817-0000	End seal	1
ITT 2574-0000	Wear plate	1
ITT 6407-0010	Water seal	1
ITT 12062-0000	End cover	1
ITT 91005-0040	Cover screws	5
ITT 92300-0030	Clutch (12v-2-A Grooves)	1

ITT Jabsco Crusader Type Engine Cooling Pump

A direct replacement for the stock Crusader pump Part #97179. It fits **most pre-1993 Crusader engine models,** accepts Crusader drive pulley and bolts directly to the stock mounting bracket. It **has a replaceable wearplate and the seal** can generally be replaced without even **removing the pump shaft. The impeller** will fit either the stock Crusader pump or the upgraded Jabsco model.

ITT 42730-0000

Stocked Parts	Description	Required
ITT 4156-0000	Wear plate	1
ITT 18948-0001-P	Impeller neoprene	1
ITT 96080-0080	Water seal	1

ITT Jabsco Sherwood Type Engine Cooling Pumps

18830-0000

18930-0000

These engine cooling pumps directly replace Sherwood models. They are constructed with an all bronze body, bearing housing and stainless steel shaft in order to withstand harsh marine environments. Typical flow in average engine cooling application at 2000 RPM is 20 GPM (75.7 l/min.)

- **Port size: 1-1/4" ID hose**

Part #	Sherwood #	Port Size	Application	Drive
ITT 18830-0000	G-30-2	1" (25mm)	Chris Craft; 350 C.I.	Keyed shaft
ITT 18930-0000	G-45-1	1-1/4" (32mm)	Chris Craft	Pulley adapter
ITT 18940-0010	G-5, G-7-B	1-1/4" (32mm)	Chrysler LM-318X-LM-340X Lehman 302 & 351C.I. Powerhouse Marine 302 & 351 C.I.	Pulley

18940-0010

ITT Jabsco Mercruiser Type Engine Cooling Pump

Replaces Mercruiser #46-72774-A32, has replaceable cam and wear plate.

- Body: Bronze, one-piece, bronze end plate
- **Impeller: Neoprene**
- **Shaft: Stainless steel**
- Ports: 1-1/4" Hose barb
- Seal: Lip type
- Bearings: Sealed ball type
- **Left or right hand rotation**

ITT 43210-0001

Stocked Parts	Description
ITT 17954-0001-P	Impeller Neoprene
ITT 18753-0328	Water Seal

ITT Jabsco Caterpillar Engine Cooling Pump

Semi positive displacement design that has superior priming ability, is compact with simple **mechanical characteristics that will ensure trouble free running and long life. 1-1/4" universal pump with neoprene impeller, half cam and mechanical seal, and short shaft for caterpillar engines.**

- L: 8-1/16", W: 5-1/8", H: 5-1/16"

ITT 7420-1001

Stocked Parts	Description
ITT 21849	Water Seal
ITT 17935-0001-P	Impeller Neoprene

Sierra Volvo Water Pump

- **Replaces: 841640-6**
- **Crank shaft mounted**

SIE 18-3586

ITT Jabsco Impeller Pullers

- Simple three stage operation easily removes the impeller
- **Removes the risk of expensive damage to the pump**
- **Manufactured from corrosion resistant cast aluminum and stainless steel**

ITT 50070-0200 Impellers from 2-9/16" to 4-5/8"
ITT 50070-0040 Impellers from 1-3/16" to 2-9/16"

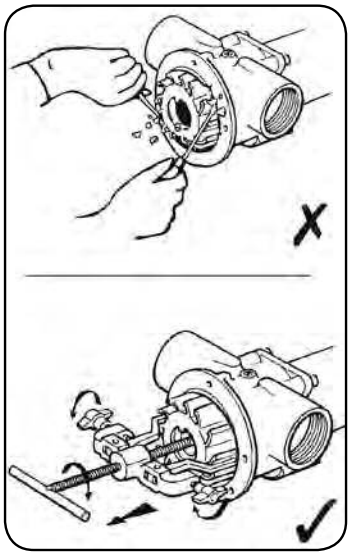
Selecting your Jabsco Replacement Impeller

There are several ways of identifying the part number of the correct Jabsco Impeller if you do not already know it.

1. If you have a Jabsco pump, the Jabsco Impeller part number can be found on the Data Sheet that is delivered with each pump.
2. If you have a Jabsco pump, but no data Sheet, and you know the full pump model number, go to pages 117-140, Pump Spares by Pump Model, and read off the correct Jabsco Impeller part number.
3. If you have another brand of pump, and you know their impeller part number, go to page 105, Upgrade to a Jabsco Impeller, and check for a Jabsco Replacement Impeller part number.
4. If you have the impeller in front of you:

   Identify the impeller profile Code Letter by placing the impeller on the profiles on pages 98-100.

   - Measure the Depth (see Chart A).
   - Identify the Drive (see Chart B).
   - Measure the Shaft Diameter (see Chart A).
   - Select the material.
   - Read off the part number.
5. If you do not have the impeller in front of you, but you can ask someone who does:
   - Go to pages 667-668 Selection Table by Dimensions.
   - How many blades are there?
   - What is the outside diameter? (see Chart A)
   - What type of Drive is it? (see Chart B)
   - What is the Depth? (see Chart A)
   - What is the Shaft Diameter? (see Chart A)
   - Which material do they need?
   - Read off the part number.



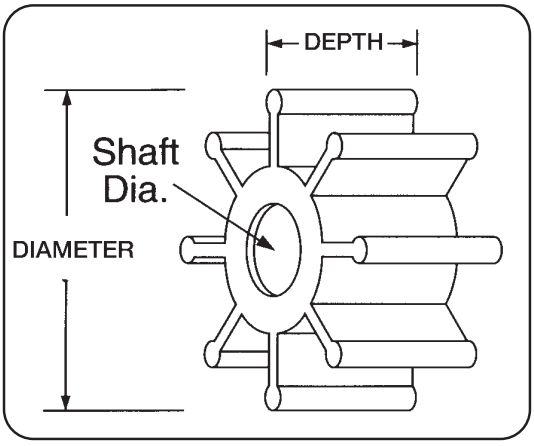


CHART A - Measuring Your Impeller

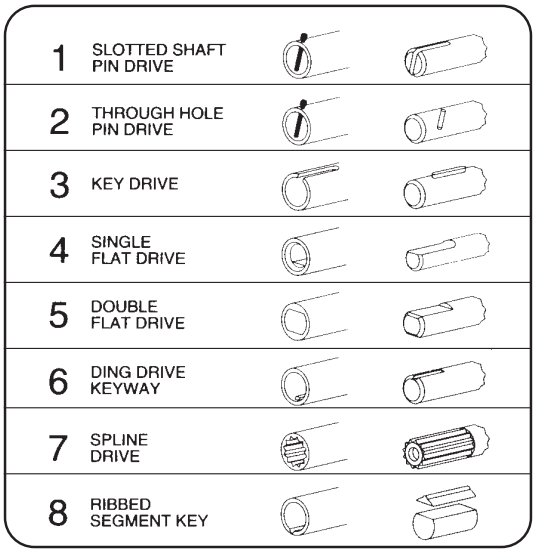

1 SLOTTED SHAFT PIN DRIVE
2 THROUGH HOLE PIN DRIVE
3 KEY DRIVE
4 SINGLE FLAT DRIVE
5 DOUBLE FLAT DRIVE
6 DING DRIVE KEYWAY
7 SPLINE DRIVE
8 RIBBED SEGMENT KEY

CHART B - Identifying the Impeller Drive

Upgrade to a Jabsco Impeller

Jabsco impellers are perfect replacements in other makes of bronze flexible impeller pumps such as Johnson, Yanmar, Sherwood, Yamaha, Mercruiser, Vetus, Ancor and CEF. The following cross reference chart identifies the Jabsco impellers that will serve as direct replacements. They will produce the same flow rate and will also provide the quality and long life expected from a genuine Jabsco impeller.

Jabsco	Volvo	Yanmar	Yamaha	Johnson	Sherwood	Vetus	Mercruiser	Crusader	Ancor	CEF	Oberdorfer	Onan	Perkins USA
653-0001				09-810B		IMP00801				500101			
673-0001	804696 / 897055 / 875808-8			09-1026B						500116			
673-0003				09-1026B-9						500216			
836-0001				09-1029B		IMP00901			J050005	500105			
836-0003				09-1029B-9					J050405	500205			
920-0001	801277 / 825941 / 877061-2			09-1028B					500106				
920-0003										500206			
1133-0001				09-1028B-9					J050001				
1210-0001	860203 / 3856039-7 / 875811-2	129470-42530		09-1027B		IMP00201			J050007	500107		132-0162	0460038
1210-0003				09-1027B-9					J050407	500207			
3085-0001													24880190
4528-0001	803729 / 875807-0 / 876554-7	104211-42070		09-806B	9979	IMP00501			J050010	500100		132-0859	24990272
4528-0003										500201			
4568-0001	831182 / 875575-3	124310-46090		09-801B						500108			
4568-0003										500208			
4598-0001										500102	6603		
4598-0003										500202			
6303-0001										500110	6617		
6303-0003				09-824P					J050011	500210			
6760-0001				09-802B					JP50015	500145			
6760-0003										500245			
13554-0001				09-812B									
17935-0001	875660 875736-1 825942 807904			09-819B							J050035	500135	7054
17935-0003				09-819B-9					J050435				
17936-0001	875814-6 875697 845796 844683 842857			09-814B		IMP00801			J050045	500145			0460027
17937-0001	801277 / 825941 / 877061-2	127610-42200		09-1028B	18200	IMP00301			J050009	500114	7441		0460024 / 24880031
17937-0003													
17954-0001*							47-59362			500214			
18327-0001					15000								
18673-0001													24880194
18838-0001	835512-5		YSC-101-03-01-0C		9959			1003026	J050003	500103	132-0317	132-0117/ 24880178	NA900010 /
18948-0001	835874-9		6TA-12457-00		10615			20300	J050020	500120	8922		NA900012
18958-0001					17000								
21414-0001		128170-42070							J050013	500113			
22120-0001	834794 876120-7								J050022	500104			
22405-0001	875583-7 / 833995			09-808B		IMP00601			J050021	500121			
22799-0001		124223-42091				IMP00101			J050016	500129			
31130-0061							47-831311350						

*Has single flat drive not spline

Selection Table by Dimensions

No of Blades	Impeller Diameter	Drive Type	Impeller Depth	Shaft Diameter	Material	Part Number	Remarks	Insert Material	Silhouette
6	1 1/4" (32mm)	2	15/32" (12mm)	5/16" (8mm)	Neoprene	12104-0001	Onan (use 6-32x5/8 Headless Screw)	Brass	A
		4	15/32" (12mm)	5/16" (8mm)	Neoprene	1414-0001		Brass	A
						21414-0001	For Yanmar 1GM10 Engines	Brass	A
						14609-0001		Brass	C
						14787-0001	Was SS Insert	Plastic	C
					Nitrile	1414-0003		Brass	A
						14787-0003	Was SS Insert	Plastic	C
	1 9/16" (40mm)	1	3/4" (19mm)	15/32" (12mm)	Neoprene	22405-0001		Brass	D
		1 or 2	3/4" (19mm)	3/8" (9.5mm)	Neoprene	4528-0001	Was AL-24	Brass	D
					Nitrile	4528-0003	Was AL-24-37	Brass	D
		None	3/4" (19mm)	n/a	Nitrile	17255-0003	Impeller Molded on Shaft	None	D
	2" (51mm)	1	7/8" (22mm)	15/32" (12mm)	Neoprene	653-0001		Brass	G
		2	7/8" (22mm)	5/16" (8mm)	Neoprene	4527-0001	Was B-12		G
					Nitrile	4527-0003	Was B-12-37		G
		3	7/8" (22mm)	1/2" (12.7mm)	Neoprene	22799-0001		Brass	G
		4	7/8" (22mm)	5/16" (8mm)	Neoprene	7273-0001		Plastic	G
						6303-0001		Plastic	H
					Nitrile	7273-0003		Plastic	G
						6303-0003		Plastic	H
					Poly-eurathane	6303-0007		Plastic	H
		6	7/8" (22mm)	1/2" (12.7mm)	Neoprene	5616-0001	Brass Extended Drive Cup	Brass	G
						17486-0001	Brass Extended Drive Cup	Brass	H
					Nitrile	5616-0003	Brass Extended Drive Cup	Brass	G
		1 or 2	7/8" (22mm)	1/2" (12.7mm)	Neoprene	673-0001		Brass	G
					Nitrile	673-0003		Brass	G
8	1 1/4" (32mm)	4	15/32" (12mm)	5/16" (8mm)	Neoprene	14750-0001		Brass	B
					Nitrile	14750-0003		Brass	B
	2 9/16" (65mm)	3	2" (51mm)	5/8" (16mm)	Neoprene	4598-0001	Was D-12	Brass	M
					Nitrile	4598-0003	Was D-12-37	Brass	M
		6	2" (51mm)	5/8" (16mm)	Nitrile	6056-0003	SS Extended Drive Cup	Brass	M
		7	1 7/16" (36.5mm)	5/8" (16mm)	Neoprene	11979-0001		Brass	M
			2" (51mm)	5/8" (16mm)	Neoprene	920-0001		Brass	M
					Nitrile	920-0003		Brass	M
			3" (76.2mm)	5/8" (16mm)	Neoprene	17018-0001		Brass	M
9	4 5/8" (118mm)	5	3 1/2" (88.9mm)	1" (25.4mm)	Neoprene	18786-0001		Plastic	R
		7	3 1/2" (88.9mm)	1" (25.4mm)	Neoprene	17240-0001		Brass	R
						18789-0001		Brass	R
	3 3/4" (95mm)	7	2 1/2" (63mm)	1" (25.4mm)	Neoprene	836-0001		Brass	O
					Nitrile	836-0003		Brass	O
			3 1/2" (88.9mm)	1" (25.4mm)	Neoprene	6760-0001		Brass	O
					Nitrile	6760-0003		Brass	O

Refer to the ITT Jabsco Catalogue for Silhouette Diagrams

Selection Table by Dimensions

No of Blades	Impeller Diameter	Drive Type	Impeller Depth	Shaft Diameter	Material	Part Number	Remarks	Insert Material	Silhouette
10	1 9/16" (40mm)	4	3/4" (19mm)	5/16" (8mm)	Neoprene	9200-0001	Was Brass Insert	Plastic	F
						9200-0021	High Pressure	Brass	F
					Nitrile	9200-0003	Was Brass Insert	Plastic	F
						9200-0023	High Pressure	Brass	F
	2" (51mm)	1	7/8" (22mm)	15/32" (12mm)	Neoprene	18653-0001		Brass	I
		1 or 2	7/8" (22mm)	1/2" (12.7mm)	Neoprene	18673-0001		Brass	I
					Nitrile	18673-0003		Brass	I
	2 1/4" (57mm)	6	1 1/4" (31.5mm)	5/8" (16mm)	Neoprene	18815-0005		Brass	L
		7	31.5mm (1 1/4")	1/2" (12.7mm)	Neoprene	3085-0001	SS Extended Drive Cup	Brass	L
		7	2" (51mm)	5/8" (16mm)	Neoprene	18777-0001	Replaces 22120-0001	Brass	HH
	2 9/16" (65mm)	3	2" (51mm)	5/8" (16mm)	Neoprene	18327-0001	Sherwood 15000	Brass	Y
		4	2" (51mm)	3/4" (19mm)	Neoprene	17954-0001	Mercruiser Replacement	Brass	Y
		6	2" (51mm)	5/8" (16mm)	Neoprene	17956-0001	SS Extended Drive Cup	Brass	Y
		7	2" (51mm)	5/8" (16mm)	Neoprene	17937-0001		Brass	Y
					Nitrile	17937-0003		Brass	Y
	2 11/16" (66mm)	7	2 11/16" (68mm)	5/16" (8mm)	Neoprene	31130-0061	Mercruiser Replacement (HINO)	Brass	CC
12	2 1/4" (57mm)	3	1 1/4" (31.5mm)	5/8" (16mm)	Neoprene	4568-0001	Was C-12	Brass	K
					Nitrile	4568-0003	Was C-12-37	Brass	K
		5	1 1/4" (31.5mm)	5/8" (16mm)	Neoprene	14281-0001		Plastic	K
		6	1 1/4" (31.5mm)	1/2" (12.7mm)	Neoprene	5929-0001	SS Extended Drive Cup	Brass	K
					Nitrile	5929-0003	SS Extended Drive Cup	Brass	K
		7	1 1/4" (31.5mm)	5/8" (16mm)	Neoprene	1210-0001		Brass	K
					Nitrile	1210-0003		Brass	K
			1 29/32"(48.4mm)	5/8" (16mm)	Neoprene	13554-0001	Johnson 812B	Brass	K
			2" (51mm)	5/8" (16mm)	Neoprene	22120-0001	Replaced by 18777-0001	Brass	K
	2 7/16" (62mm)	3	1 1/4" (31.5mm)	5/8" (16mm)	Neoprene	18838-0001	Sherwood 9959	Brass	W
	2 9/16" (65mm)	3	1 5/8" (41.4mm)	5/8" (16mm)	Neoprene	18948-0001	Sherwood 10615	Brass	X
	3 1/16" (77mm)	5	3" (76.2mm)	13/16" (20mm)	Neoprene	30919-0001		Brass	Z
	3 3/4" (95mm)	3	2 57/64" (74mm)	25/32" (21mm)	Neoprene	18958-0001	Sherwood 17000	Brass	GG
		5	3 1/2" (88.9mm)	1" (25.4mm)	Neoprene	17370-0001		Plastic	Q
		7	2 1/2" (63mm)	1" (25.4mm)	Neoprene	17935-0001		Brass	Q
			3 1/2" (88.9mm)	1" (25.4mm)	Neoprene	17936-0001		Brass	Q
						21676-0001	Use 17936-0001	Brass	Q
13	5" (127mm)	7	4" (101.6mm)	1 1/2" (38mm)	Neoprene	2999-0001		Brass	U

Refer to the ITT Jabsco Catalogue for Silhouette Diagrams

Beckson Handy-Mate Pumps

Beckson's Handy-Mate pump can **pump water out of bilges, sump tanks and one tank to another, or pump oil from engine crankcases. In the latter case, a tube is provided to insert into the dipstick hole and the oil is** quickly pumped out. It will not rust or corrode, is non-sparking for safety, **and requires no priming to start pumping** action. The pump body has a diameter of 1-1/2", and it is fitted with a molded handle. Comes complete **with a kit of tubes, hoses, reducing foot and adapter, all packaged in a header bag.**

- **20" long 1/2" semi rigid tubing**
- **36" long 1/4" semi rigid tubing with adapter**
- **10" long, 1" ID red discharge tube for oil**
- **L: 12-3/4" x Dia: 1-1/2"**

BEC 212PC

- **36" - 1/4" semi rigid tubing**
- **36" - 1/2" semi rigid tubing**
- **10" - 1" ID red tube for oil**
- 2' x 1-1/4" flexible hose for water
- **L: 16" x Dia: 1-1/2"**

BEC 216PC

Beckson Thirsty-Mate Pumps

These self priming pumps will not rust or corrode and are very easy to clean.

- 24" L x 1-1/8" dia. flexible hose
- **10 Strokes = 6 U.S. Gal/min.**
- **L: 18" x Dia: 1-1/4"**

BEC 118 PF With hose

- 32" L x 1-1/4" dia. flexible hose
- **6 strokes = 10 U.S. Gal/min.**
- **L: 30" x Dia: 1-1/2"**

BEC 230 PF With hose

Kayak Pump

- **8 strokes = 8 U.S. Gal/min.**
- **L: 18" x Dia: 1-1/4"**

BEC 318 P No hose

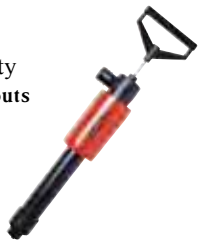
Beckson Pontoon Pump

This pump was originally designed for pumping **out seaplane pontoons. It offers the standard** features of the Thirsty Mate series pumps with the addition of a flexible foot that will accept 1-1/4" **reinforced hose to give extended pump reach.**

- **Dia: 1-3/4"**

BEC 324FPX 24" body

Scotty Kayak Hand Pumps



- Stainless steel rod for strength and durability
- **1-1/2" barrel diameter means quick pump-outs**
- Lifetime warranty

SCO 544K 15" w/ float
SCO 545K 25" w/ float

Scotty Hand Pumps

- Stainless steel rod for strength and durability
- Easily disassembled for cleaning or repairs
- **1-1/2" barrel diameter**
- Includes 24" of 1-1/8" black bilge flex hose
- Lifetime warranty

SCO 544 13-1/2", 13 strokes per gallon
SCO 545 21", 7-1/2 strokes per gallon
SCO 548 36", 3.5 strokes per gallon

ITT Jabsco Amazon Universal Pump

Detachable handle and one push-fit elbow. Safety feature **allows operation from both inside and outside the cabin** (with optional Through Deck Kit).

- Flow rate of up to 25 GPM (100 LPM)
- Self-priming up to 10' (3m)
- Push-fit inlet and outlet elbows swivel through 360° to increase flexibility of **installation**
- Quick release clamp ring for access to **blockage**
- **Stainless steel handle supplied with mounting clips** and provision for safety lanyard
- Base: 9.5" W x 9.6" L x 6" H (not including handle)
- **1-1/2" hose**

ITT 29270-0000

Parts:

ITT 29276-1000 Major service kit
ITT 29266-1000 Additional push-fit elbow
ITT 29279-0000 Through deck kit
Includes inlet & outlet valve, diaphragm, screws, nut, ring clip and washer

ITT Jabsco Amazon Thru-Deck Pump

Thru deck pump with detachable handle and through deck kit. 16 port variations relative to the body and with 4 mounting positions relative to the pump. 13 GPM (50 LPM) output, self-priming up to 16' (5m). Loosening one screw lets you clear blockages or position the body anywhere through 360° relative to the handle. Excellent solids handling ability for use with **holding tanks. Stainless steel handle supplied with** mounting clips and provision for safety lanyard.

- Base: 4.3" W x 9.9" L x 6" H
- **1" hose**

ITT 29250-0000

ITT Jabsco Amazon Warrior Pump

Alloy constructed pump is designed for mounting on deck or through deck (with optional through deck kit and bracket). Alloy body is particularly well suited to work boat and safety **applications. The double diaphragm design gives maximum** efficiency and added safety. Solid 18" **detachable handle assists sustained high outputs of up to 35 GPM. and is self priming up to** 17.5' (5.5m). Excellent solids handling ability **allowing for use with holding tanks.**

- **1-1/2" hose**
- Base: 14" W x 9.5" L x 8" H

ITT 29280-0000 Pump

Parts:

ITT 29279-0000 Through deck kit

Includes inlet & outlet valve, diaphragm, screws, and washer

ITT Jabsco Amazon Bulkhead Pump

Re-positionable ports and body offer 96 assembly **variations.**

- Sustainable 12 GPM (45 LPM) output
- Self-priming up to 13' (4m)
- **Corrosion resistant materials throughout**
- **Stainless steel handle supplied with mounting** clips and provision for safety lanyard
- Base: 4.7" W x 7" L x 5.6" H (not including handle)
- **1" hose**

ITT 29240-0000

Parts:

ITT 29246-1000 Major service kit

ITT Jabsco Bilge Strainer

Bilge strainers protect the pump from damaging **debris, and include an in-line check valve that** prevents water backflow.

ITT 29290-1000 Bilge strainer 1" ID hose
ITT 29290-1010 Bilge strainer 1-1/2" ID hose

ITT Jabsco Inlet Non-Return Valves

Non-return valves fit in a pumps suction hose to aid priming and prevent backflow into the bilge.

ITT 29295-1000 1" ID hose
ITT 29295-1010 1-1/2" ID hose

Bosworth Sea-Let Bilge Pump Foot Strainers

Plastic foot strainer for 1" ID or 1-1/2" ID hose.

BOS 84 1"
BOS 85 1-1/2"

► *Also See: Strainers pg 574*

Bosworth Guzzler Series Pumps

These lightweight and economical manual diaphragm pumps are the most versatile pumps available anywhere. Nearly any installation can be accommodated with the different configurations **available. Constructed from Delrin, with aluminum handles and thru-bolted with 18-8 stainless fasteners. Self priming, with a 12'** suction lift and a 12' delivery head.

Part #	GPM	Hose ("ID)	Configuration
BOS 400-H	12	1"	Horizontal
BOS 400-V	12	1"	Vertical
BOS 400-S	12	1"	Foot Operated
BOS 450-V	12	1"	Vertical
BOS 500-H	15	1-1/2"	Horizontal
BOS 500-V	15	1-1/2"	Vertical

Parts #	Description	Fits
BOS #1-4	Inlet Flange	400
BOS #1-5	Inlet Flange	500
BOS #2-4	Outlet Flange	400
BOS #2-5	Outlet Flange	500
BOS #3-BUTTON	Button	400/500
BOS #4-CLEVIS	Clevis	400/500
BOS #6-CLAMPRING	Clamp Ring	400/500
BOS #6A-MNTG RING	M Series	400/500
BOS #7A-TRIM RING	M Series	400/500
BOS #8-HANDLE	Vertical Handle	400/500
BOS #9-HANDLE	Horiz. Hdl. w/ Actuator	400/500
BOS #11-V.ACUATR	Vert. Actuator w/ Pin	400/500
BOS #17-4KIT	Diaphragm Service Kit	400
BOS #17-5KIT	Diaphragm Service Kit	500

Bosworth Thru-Deck Mounting Kit

Convenient kit for use with Bosworth 400 and 500 series pumps **requiring below-deck installation. Consists of deck plate, cover, boot and stand-offs.**

BOS 34 Kit, c/w S/S screws, aluminum stand-offs
BOS 34S Kit, c/w S/S bolts, PVC stand-offs
BOS 34-2 Boot for thru deck mounting kit

PELA Oil Extractors

Requires just 10 to 20 strokes to create a powerful vacuum. Sturdy, see-through container neatly captures the oil. The calibrated walls allow easy measurement of **the oil extracted. A pour spout is included to** help emptying. Pump is removable for easy **storage.**

PEL PL-2000 2.5 litre
PEL PL-6000 6.0 litre

Parts:
PEL PL-6000T316 Replacement tube kit

PELA Oil Extractor

Requires just 4 to 15 strokes to create a powerful vacuum. The integrated container (6.5 litres) then neatly captures the oil preventing messy spills. The calibrated walls allow easy measurement of the oil extracted. A built-in float switch automatically stops extraction as soon as capacity is reached. A pour spout facilitates emptying.

- H: 25"
- Cylindrical dia: 6.25"
- **Tubes: 3/16" & 1/4" OD, L: 47" each**
- **Extension tube: L: 39"**

PEL PL-650 6.5 litre
PEL PL-650T316 Replacement tube kit

PELA Heavy Duty Oil Extractor

14 litre capacity oil vacuum oil extractor. For durability, the pump unit is housed inside the container. Just pump 20 to 25 times in a **row to create a powerful vacuum and then watch the oil drain into** the see-through, calibrated container. An internal float switch shuts off extraction automatically when full.

- Capacity: 14.0 litres (14.8 qts)
- Height: 25.5”
- Cylindrical dia: 8.35”
- **Tubes: 3/16” & 1/4” OD, L: 61” each**
- **Extension tube: 61”**

PEL PL-14K

PELA Mercury Adapter

- **For use with Pela oil extractors**
- Includes 1 threaded adapter/hose assembly **& 1 rubber hose adapter**

PEL PL-THR-ADP

Moeller Fluid Extractor Kit

- **Universal self priming hand pump**
- Ideal for oil, water and other fluids
- **Two 38” dipstick tubes and 40” tubing**

MOE 033331-10

Beckson Handy-Mate Crank Case Oil Pump

This Handy Mate is specially adapted to pump crank case oil from engines equipped with a threaded fitting on the top of the dipstick tube. Threaded adapter fits standard male garden hose coupler. Attaches quickly and securely to the dipstick tube. Made entirely of tough marine plastic. It will not rust or corrode. Handy-Mate uses non-sparking materials for safety and is self **priming for almost instant pumping action.**

- **L: 12-3/4" x Dia: 1-1/2"**
- **Comes with 10" long, 1" ID tube**

BEC 212PGA

Beckson Siphon-Mate Pump

The Siphon-Mate is a combination displacement lift pump and siphon pump with valves suitable for transferring fuel. Pump to start flow. Fully **extending the handle will allow siphoning, provided that the source is higher in elevation than the receptacle.**

- Hose 1/2" x 96"
- **L: 11-1/2" x Dia: 1-1/4"**

BEC 109PC

ITT Jabsco "Little Pal" Hand Pump

Compact multipurpose 1 GPM hand pump does many draining and liquid transfer jobs yet is small enough to fit in a tool or tackle **box. Includes 2' hose and draw tube for draining crankcase through dipstick.**

- **10-1/4" L x 1-1/4" Dia.**

ITT 34060-0010

ITT Jabsco Marine Engine Oil Drain Pump

Connects to current marine engine oil dipstick tube on OMC, Mercruiser and other marine engines with a male hose fitting on the engine dipstick tube (3/4" GHT male thread). **Oil and corrosion resistant brass neoprene construction. Design allows one hand pumping.**

- **1/2" x 2' drain hose**
- **12" L x 1-1/4" Dia.**

ITT 34060-0130

ITT Jabsco "Handy Boy" Hand Pump

Used for bilge pumping, oil draining, diesel fuel transfer, and many other liquid **transfer applications. Oil and corrosion resistant brass neoprene construction.** Up to 1-1/2 GPM (6 LPM) output. Kit **includes two 1/2" x 3' hoses. Two dipstick probes 1/4" x 40" and 5/16" x 40", neoprene intake adaptor and tube connector.**

- **Pump: 10-1/4" L x 1-1/4" Dia.**

ITT 33799-0000

ITT Jabsco Self Priming Drill Pump

- Pumps up to 3.4 GPM (13 LPM)
- Self-priming to 3' (1m)
- 1/4" (6.5mm) diameter shaft
- **Pump with garden hose ports**
- **1/4" x 40" probe & 3' of 1/2" hose**

ITT 17215-0000 Kit
ITT 17250-0003 Pump only

ITT Jabsco Oil Drain Kit

For permanent installation. Includes drain plug fitting, oil drain hose, cap and hose hanger clamp. Drain plug fitting size is 1/2"-20. May be coupled to drill pump or **"Little Pal" hand pump.**

- Hose: 3/8" ID x 48"
- Draw fitting: 1/2"-20

ITT 18080-0000

Shurflo Drill Pump

Attaches to any drill motor. 1/4" oil probe allows **the transfer of oil from cars, boats, and other** engines. Not to be used on flammable liquids. Self **primes 8' vertical and 25' horizontal. Pumps liquids** 40º F-120º F. 3/4" Male garden hose ports. **Kit includes 3' of 1/2" dia. garden hose, 24" x 1/4" OD oil probe, 3" x 3/8" OD x 1/4" ID adaptor.**

SHR 3010-000

Sierra Oil Drain Kits

GM, Chrysler & most Ford oil pans 1/2"-20 **threads. Includes a 42" hose with hanger, universal oil pan replacement plug and end cap.**

SIE 18-7891

Shurflo Oil Change Pump

General purpose pump is self priming, has Buna-N valves, thermal overload **protection, is ignition protected and comes with a hose kit including adapters.**

- **12 VDC, 4.4 amps**
- **3/8" NPT port size**
- **6" x 4" x 3.25"**

SHR 8050-305-526

Flojet Diesel Transfer Pumps

- **Transfer diesel fuel up to 5 GPM.**
- Removes used motor oil (warm)
- Runs dry without damage
- **No impeller to burn or replace**
- **Diaphragm pump design**
- Buna-N and Geolast rubber parts
- Commercial, continuous duty
- **Self-priming**
- **Comes with strainer**

Part #	Volts	Amps @ 10 PSI (.7 Bar)
FLJ 4125-502A	12	8.5
FLJ R4125-504A	24	3.6

Notes

Reverso Oil Change Pumps and Systems

"Change your oil with the flick of a switch" Reverso's simple design and rugged motor make this a trouble free accessory built **to withstand the harshest environments. The use of a powerful** pump transfers oil quickly and cleanly between engine and waste **container. The reversing feature allows the user to pump fresh oil back into the engine.**

Reverso Oil Change Pumps

12V 1.5 - 3.0 GPM 5.7 - 11.4 LPM
Reversible. Built-in switch guard. 12 amp motor. Self-priming. **Fused at the motor. Chrome plated brass head. To transfer diesel fuel an impeller change is required.**

REV OP-6-12V

Parts:

REV SRK-360	Repair kit oil/water impeller & gasket
REV SRK-370	Repair kit diesel/oil impeller & gasket
REV 360010	Nitrile oil change impeller
REV 360014	Diesel fuel impeller

Reverso Dipstick Connect System

1.5 - 3.0 GPM. 5.7 - 11.4 LPM. Easy connect oil change. Permanent or portable. Connects directly to dipstick tube. Handy carry handle. 6' **of marine grade wire. Dripless storage of hoses. Ideal for gas engine applications.**

REV OP-700-12V

Reverso Manifold Systems

1.5 - 3.0 GPM. 5.7 - 11.4 LPM. Full flow valves. Internal fuse (slow blow). Built-in wire connector. Built-in switch guard. Easily changed impeller. Mounting plate. Compact size (703) **9.5" x 10.5".**

REV OP-703-12V 12V, 3 valve

Reverso 2-Valve Block Assembly

This manifold helps minimize hose runs by allowing **two connections with one hose.**

REV VA-2

Reverso Heavy Duty Oil Transfer

The GP-700 series of oil change systems were designed to offer users a **more powerful pump than our standard impeller series. Vessels which require longer hose runs and owners who** wish to pump oil up onto the dock can utilize these systems with confidence. A bronze gear pump with helical gears and viton seals offers users one of the most powerful oil change systems on the market. Designed for vessels in the 40-80' range these systems provide faster oil changes and expanded flexibility on the location of the drain and fill containers. With a flow rate of 2-3 GPM this system is ideal for the sport fisherman and motor yachts with engines in the 500 to 1500 HP ranges. Like all REVERSO systems **the GP-700 series has a reversing motor and is fused at the unit for** safety. The bronze gear head is designed to be serviced if required **without the disconnection of hoses.**

REV GP-706-24V 24V

ITT Jabsco Flat Tank Oil Changer

This compact self-contained unit has a self-priming diaphragm pump with an easy pour spout for emptying. This design allows the unit to be stowed easily. Comes with a dipstick suction tube, battery clamp leads and an on-off **switch.**

- 3-1/2 gallon (13 litre) sealed container
- Easy to carry handle
- Self priming, run dry pump design
- **Empties oil @ rate of 0.5 GPM at temperature**

ITT 17860-0012

ITT Jabsco Economy Oil Changer

Complete and ready to use this economy engine **oil changer will extract up to 50 weight oil** at a temperature of 21ºC through the engines **dip stick tube. Comes complete with a 12 volt suction pump,**
14 qt. oil reservoir, 6' power leads and 8' dip stick probe.

- **Weight; 2.3 kg**
- 12-3/4" Dia x 12-3/4" H

ITT 17850-1012

ITT Jabsco "Porta-Quick" Oil Changer

Removes oil and sludge through the dipstick tube making engine oil changes quick and easy without getting under the engine. The reversible pump allows the container to be emptied neatly and easily by reversing the flow direction and pumping the container dry.

- Pump body & head: Bronze construction
- Impeller: Nitrile (oil resistant)
- Container: Plastic with 14 quart capacity
- **Power cord: 8' with alligator clips**
- **Non-collapsible thick wall suction hose, 4' of neoprene hose** with 40" Teflon dipstick probe
- Weight: 9 lb (4.1 kg)
- **Garden hose thread adapter included**
- 13-1/2" x dia, 15-5/8" H

ITT 17800-2000

Parts:

ITT 6342-0000	Slinger
ITT 9200-0023-P	Neoprene impeller
ITT 91004-0090	Screw kit (3)

Shurflo Oil Change System

Oil change system comes complete with a **12V, 1.55 GPM, thermal protected pump, 3** gallon plastic container, 8' battery leads with **alligator clips, and 8' of 1/4" tubing.** Suitable for engine oil, transmission fluids, anti-freeze and low viscosity gear lube.

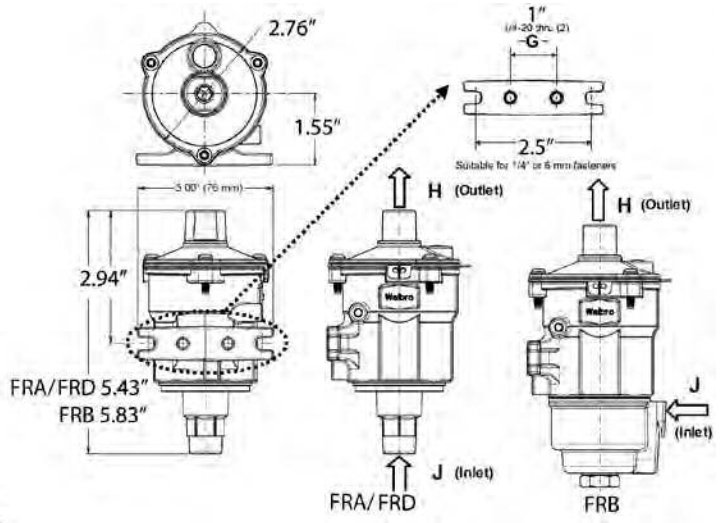
- Height: 15-1/2"

SHR 8050-305-426

Walbro Fuel Pumps

Standard Features - All Models

- **Current requirement: 2 amps average**
- Reverse polarity protected up to 60 minutes
- **Self priming**
- Compatible with all commercially available pump grade **gasoline, gasohol, diesel or bio-diesel**
- Operating temperature: -40 ~ +70C (-40 ~ +155F)
- Dichromate finish
- Comes complete with all needed installation fittings
- **Transient voltage protected to 100V**
- **U.S. Coast Guard 16623-1 and 16623-2 approved**



FRB Series Fuel Pump

- Continuous duty life: 18000 hours
- Flow to 153 LPH (43 GPH)
- Pressure to 12 PSI (81 kPa)
- Self priming to 48" (120 cm)
- Dry lift to 120" (305 cm)
- **Maximum current requirements 1.5 amps**
- Dry run: To (4) hours
- Overall diameter: 2.76" (~70 mm)
- Mounting bracket width: 3.0" (76 mm)
- Weight: 1.78 lbs (0.81 kg)
- Replaceable filter

WAL FRB-13-2 7 PSI
WAL FRB-20-2 3 PSI

Recommended for fuel lift or transfer applications as well as carburetted engine supply.

FRA Series Fuel Pump

- **Value series**
- Continuous duty life: 5000 hours
- Flow to 87 LPH (23 GPH)
- **Maximum current requirement: 2.0 amps**
- Dry lift to 24" (61 cm)
- Dry run: To (2) hours
- Overall diameter: 2.76" (~70 mm)
- Pump centerline to base of mounting bracket: 1.58" (40 mm)
- Mounting bracket width: 3.0" (76 mm)
- Weight: 1.56 lbs (0.71 kg)

WAL FRA-1-1 4-6 PSI

Recommended for fuel lift or transfer applications as well as carburetted engine supply.

FRD Series Fuel Pump

- Continuous duty life (diesel fuel): 10000 hours
- Flow to 153 LPH (43 GPH)
- **Maximum current requirements 1.5 amps**
- Self priming of more than 48" (120cm)
- Dry lift to 120" (305 cm)
- Dry run: To (4) hours
- **Overall diameter: 2.76" (~70 mm**
- Mounting bracket width: 3.0" (76 mm)
- Weight: 1.56 lbs (0.71 kg)
- **Self adjusting PSI to 12 PSI**
- **Recommended for stoves**

WAL FRD-2-1-12V 2-3.5 PSI

Recommended for heater or stove applications. FRD pumps will slow their cycling rate to deliver only the fuel required by the stove carburettor. FRD pumps can also fill day tanks for units without carburettors.

(Discontinued) Fuel Pump Replacement Parts

Repair kit includes: bellows, pressure and gasket (2403-1 series).

WAL 300-714S

70 micron filter kit w/ O-ring (6000 series).

WAL 300-1009